(F bearing	g grease selec	tion chart											_	4.4		
aring rking nditions	Temp	Speed	Load	Vertical shaft		Oscillating movements	Severe vibrations	Shock load or frequent start-up	Low noise	Low friction	Rust inhibiting properties	Description	LTL	re range (*1)	Thickener / base oil	Base oil viscosity (*2)
SMT 2	М	М	L to M	0	-	-	+	-	-	0	+	General purpose industrial and automotive	−30 °C −22 °F	120 °C 250 °F	Lithium soap / mineral oil	110
SMT 3	М	М	L to M	+	0	-	+	-	-	0	0	General purpose industrial and automotive	−30 °C −22 °F	120 °C 250 °F	Lithium soap / mineral oil	120
GEP 2	М	L to M	Н	0	-	0	+	+	-	-	+	Extreme pressure	−20 °C −4 °F	110 °C 230 °F	Lithium soap / mineral oil	200
GFP 2	M	М	L to M	0	_	_	_	_	_	0	+	Food compatible	−20 °C −4 °F	110 °C 230 °F	Aluminium complex / medical white oil	130
FB 2	M	М	M to H	0	_	0	+	+	_	_	+	Food compatible, high load	−20 °C −4 °F	120 °C 250 °F	Aluminium complex / PAO and ester	266
EM 2	М	VL	H to VH	0	-	+	+	+	-	-	+	High viscosity plus solid lubricants	−20 °C −4 °F	120 °C 250 °F	Lithium soap / mineral oil	500
EV 2	М	VL	H to VH	0	-	+	+	+	-	-	+	Extremely high viscosity with solid lubricants	–10 °C 14 °F	120 °C 250 °F	Lithium-calcium soap / mineral oil	1 020
SLT 2	L to M	M to EH	L	0	-	-	-	0	+	+	0	Low temperature, extremely high speed	−50 °C −58 °F	110 °C 230 °F	Lithium soap / PAO oil	18
SFL 1	L to M	M to EH	L	_	_	_	0	_	+	+	+	Food compatible, low temperature	−45 °C −49 °F	120 °C 250 °F	Aluminium complex / PAO and ester	30
GB 2	L to M	L to M	M to H	0	-	+	+	+	_	0	0	Green biodegradable, low toxicity	−40 °C −40 °F	90 °C (*3) 194 °F	Lithium-calcium soap / synthetic ester oil	110
WM 1	L to M	L to M	Н	-	-	+	-	+	-	-	+	Extreme pressure, low temperature	−30 °C −22 °F	110 °C 230 °F	Lithium soap / mineral oil	200
WA 2	M to H	L to M	Н	0	0	0	0	+	-	0	+	Wide temperature (*4), extreme pressure	−30 °C −22 °F	140 °C 284 °F	Lithium complex soap / mineral oil	185
НВ 2	M to H	VL to M	H to VH	0	+	+	+	+	-	-	+	EP high viscosity, high temperature (*5)	−20 °C −4 °F	150 °C 302 °F	Complex calcium sulphonate / mineral oil	400
SHP 2	M to H	M to H	L to M	0	-	-	+	0	+	0	+	High performance polyurea grease	−40 °C −40 °F	150 °C 302 °F	Di-urea / mineral oil	96
SET 2	VH	L to M	H to VH	0	+	+	0	0	_	_	0	Extreme temperature	−40 °C −40 °F	260 °C 500 °F	PTFE / synthetic (fluorinated polyether)	400

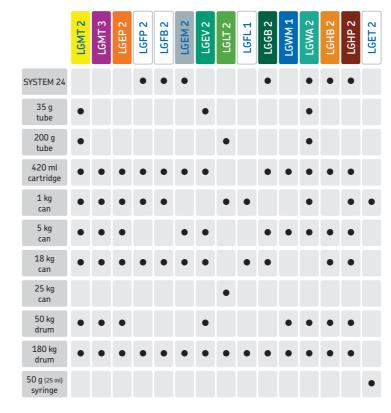
HTPL = High-temperature performance limit (*2) mm²/s at 40 °C / 104 °F = cSt.

^(*4) LGWA 2 can withstand peak temperatures of 220 °C / 428 °F (*5) LGHB 2 can withstand peak temperatures of 200 °C / 392 °F

Basic bearing grease selection

Generally use if: Speed = M, Temperature = M and Loa	LGMT 2	General purpose	
Unless:			
Expected bearing temperature continuously > 100 °C	LGHP 2	High temperature	
Expected bearing temperature continuously > 150 °C demands for radiation resistance	LGET 2	Extremely high temperature	
Low ambient –50 °C / –58 °F, expected bearing tempe	LGLT 2	Low temperature	
Shock loads, heavy loads, frequent start-up / shut-do	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 temper — For special operating conditions, refer to the S Bearing operating parameters Temperature L = Low			1
M = Medium H = High EH = Extremely high	50 to 100 °C / 122 to 230 °F >100 °C / 212 °F > 150 °C / 302 °F		
Speed for ball bearings			I
EH = Extremely High VH = Very High H = High M = Medium L = Low	n.dm over 700 000 n.dm up to 700 000 n.dm up to 500 000 n.dm up to 300 000 n.dm below 100 000		
Speed for roller bearings	SRB/TRB/CARB®		CRB
H = High M = Medium L = Low VL = Very Low	n.dm over 210 000 n.dm up to 210 000 n.dm up to 75 000 n.dm below 30 000		n.dm over 270 000 n.dm up to 270 000 n.dm up to 75 000 n.dm below 30 000
Load			I
VH = Very high H = High M = Medium L = Low	C/P < 2 C/P ~ 4 C/P ~ 8 C/P 15		

Available pack sizes



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