

LUBE Original Grease

MP0 [High-performance all-purpose lithium grease]

Excellent shear stability, heat resistance, oxidation stability, water resistance, rust prevention, and load carrying capacity.



Operating temperature limit/MP0 -20°C - +130°C

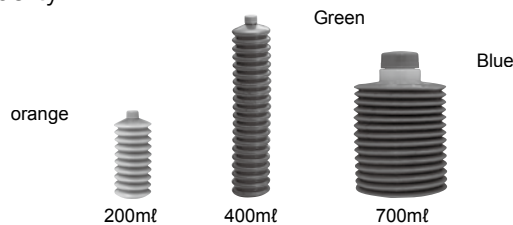
Model

Model	Part Number	Capacity	consistency
MP0(1)-4	249050	400ml	0
MP0(1)-7	249060	700ml	

Color of Grease : Brown

FS2 [High-performance grease for high load applications]

Excellent heavy load carrying capacity, wear resistance, shear stability, heat resistance, oxidation stability, water resistance, and rust preventive property.

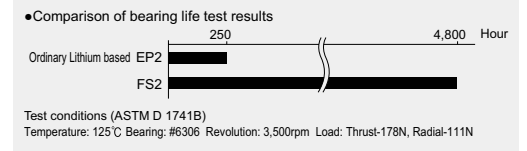


Service temperature range/FS2 -20°C - +130°C

Model

Model	Part Number	Capacity	consistency
FS2-2	249069	200ml	2
FS2-4	249053	400ml	
FS2-7	249063	700ml	

Color of Grease : Green



LFL-H1 [High-performance grease for food, medical and cosmetic machines]

LFL is NSF H1 certified food grade grease suited for machines which need to comply with the Food and Drug Administration's regulations. Available in 400cc cartridges to provide safety and simplicity of use.



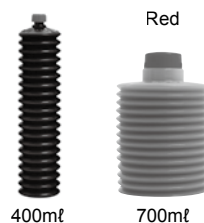
Model

Model	Part No.	Capacity	consistency	NSF Registration No.
LFL50-H1-7	249322	700ml	2	151701
LFL50-H1-4SC	249326	400ml	2	151701
LFL180-H1-7	249324	700ml	0	154492
LFL180-H1-4	249323	400ml	0	154492

Color of Grease: LFL50-H1 Beige, LFL180-H1 White

YS2 [High-performance grease for high load applications]

Suitable as a lubricant for guides and ball screws. Capable of handling high load applications. YS2 is a recommended grease for parts manufacturers.



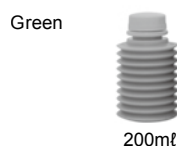
Operating temperature limit/YS2 -20°C - +130°C

Model

Model	Part Number	Capacity
YS2-4	249106	400ml
YS2-7	249107	700ml

Color of Grease : Beige

CBT [High performance Special Urea Grease]



Operating temperature limit/CBT SU03 -20°C - +150°C

Model

Model	Part Number	Capacity
CBT-SU03-2	249150	200ml

Color of Grease : Beige

LUBE Hybrid Lubricant



High performance lubricant which incorporates all the advantages of both oil & grease. Eliminates the disadvantages of both.

- Next generation lubricant which contributes to the protection of the environment.
- Reduces lubricant consumption.
- Prevents the deterioration and decomposition of the cutting fluids; drastically reducing hazardous waste disposal.
- Reduces machine part abrasion.

Advantages of Oil: Liquidity, excellent migration properties, transport properties, no solidification.

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Advantages of Grease: High load carrying capacity, wear resistance, excellent oil film retention and adhesion properties.

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The advantages of Oil and Grease.

Operating temperature limit/LHL300 -20°C - +130°C
 Operating temperature limit/LHL X100 -20°C - +150°C

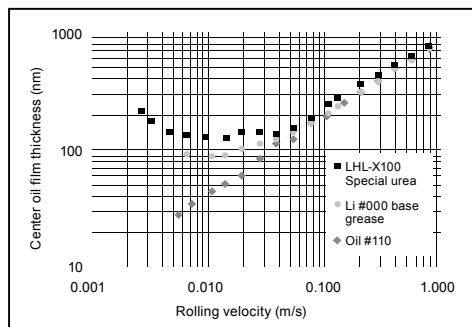
Model

Model	Part Number	Capacity	Color
LHL300-4S	249113	400mℓ	yellow
LHL300-7	249112	700mℓ	
LHL X100-2	249139	200mℓ	yellowish brown
LHL X100-4	249136	400mℓ	
LHL X100-7	249137	700mℓ	



LHL-X100 Performance Test Data Ambient Temperature Range -20°C - +120°C

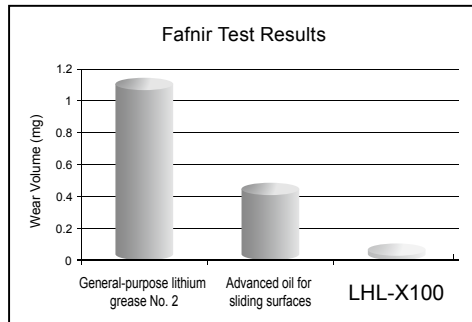
Basic Oil Film Thickness Evaluation Test



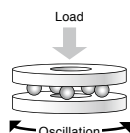
LHL-X100 special urea grease maintains a film at a lower speed than that of oil-soap grease.

Test results on oil film thickness as a basis of lubrication performance shows that the oil film is thinnest when rolling velocity is zero (or close to zero). Compared to oil, grease can form thicker oil films. However, this special urea grease can form thicker oil films than lithium grease can, preventing insufficient oil films.

Fretting Resistance Test

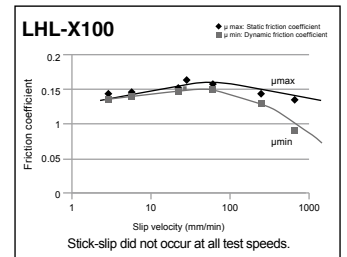
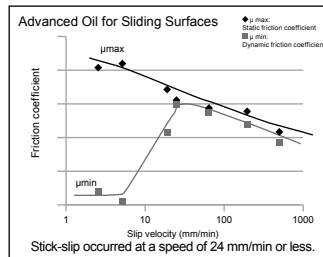


1. Evaluation method
Fafnir test (as per ASTM D 4170)
2. Test conditions (ASTM D 4170)
Bearings: ANDREWS W 5/8 (Use 2 sets.) Load: 2450 N (Contact pressure: 1861 MPa)
Angle of oscillation: 12 degrees (Average rolling speed: 0.065 m/s)
Oscillation cycle: 25 Hz Time: 22 hours Temperature: 25 degrees C
Amount of grease per bearing set: 1.0±0.05g
Measured amount of wear: Wear of each race way grinder per bearing set is reduced. (Gross mass wear of the test race way grinder is halved.)



Friction Coefficient Test (Stick-Slip Resistance Performance)

LHL-X100 did not cause stick-slip at all test speeds. Compared to even the most advanced oils for sliding surfaces, LHL forms lubrication films on metallic sliding surfaces successively to avoid metallic contact, even in low-speed areas because of special urea structure and additive.



- Test method
1. Tester: Bowden tester
2. Test conditions Material: Steel-Steel Temperature: Room temperature Load: 4 kgf Speed: 3, 6, 24, 30, 60, 240, 600 mm

Label description of LUBE Original Cartridge Grease



Example: Manufactured in July 2012

Part No.

Year (the last digit of the year)

- A:Jan. B:Feb. C:Mar. D:Apr. E:May. F:Jun.
 G:Jul. H:Aug. J:Sep. K:Oct. L:Nov. M:Dec.