

THK Original Grease

L500 Grease

- Base oil: refined mineral oil
- Consistency enhancer: lithium complex-based



L500 grease uses refined mineral oil as its base and lithium complex-based grease as its consistency enhancer, while also featuring special additives. It features excellent extreme pressure resistance and pumpability as well as a long service life.

* This product cannot be used in Europe.

[Features]**(1) Extreme pressure resistance**

The action of the special additives gives it excellent extreme pressure resistance.

(2) Long service life

It provides longer lasting lubrication than general high-load grease, helping reduce the amount of time spent on maintenance.

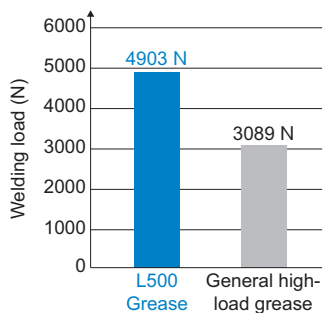
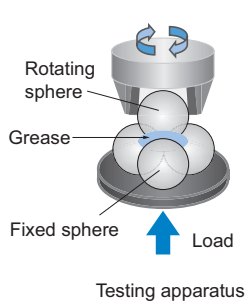
(3) Pumpability

It boasts excellent pumpability, allowing it to be used with automatic lubricating systems.

[Representative Physical Properties]

Item		Representative value	Test method
Consistency enhancer		Lithium complex-based	
Base oil		Refined mineral oil	
Base oil kinematic viscosity: mm ² /s (40°C)		120	JIS K 2220 23
Worked penetration (25°C, 60 W)		327	JIS K 2220 7
Mixing stability (100,000 W)		365	JIS K 2220 15
Dropping point: °C		250	JIS K 2220 8
Evaporation amount: mass% (99°C, 22 h)		0.4	JIS K 2220 10
Oil separation rate: mass% (100°C, 24 h)		2.5	JIS K 2220 11
Copper plate corrosion (B method, 100°C, 24 h)		Accepted	JIS K 2220 9
Low-temperature torque: mN·m (−20°C)	Starting	110	JIS K 2220 18
	Rotational	50	
4-ball testing (welding load): N		4903	ASTM D2596
Service temperature range: °C		−20 to 175	
Color		Yellow	

[Extreme Pressure Resistance]



[Long Service Life]

● Lubrication service life measured via ball screw

Test conditions

Item	Description
Tested model	HBN3210-5RR
Applied load	31.9 kN
Maximum rpm	1500 min ⁻¹
Stroke	300 mm
Oiling amount	35 cm ³ (initial lubrication only)

