Easylube Nexus

Remote Wireless Control Automatic Lubricator

No. 23, Ln. 350, Nanshang Rd., Nanmei Vil., Guishan Dist., Taoyuan City 333014, Taiwan
NL7_250_V1_0

Jan 2024 rev

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Product Specifications

Product Name	Easylube Nexus Remote Wireless Control Automatic Lubricator
Product Model	250 Nexus
Outlet Diameter	1/4" PT (M)
Grease Volume	250 ml
Greasing Interval Range	☐ Automatic Grease Dispensing : Adjustable 0.5 to 12 months ☐ Manual Grease Dispensing Setting: According to the programmed time schedule. (Sense and write with RFID / Remote control wirelessly with LINK)
Operation Temperature Range	-20°C < Tamb + 60 °C (-4 to 140 °F)
Pressure Plate Thrust (Piston)	75 - 150 psi (5 - 10 bars) Adjusted according to bearing back pressure automatically
Output Pressure (Cup exit)	Up to 10 bars max. Prevent shaft seal leakage from excessive damaging pressure
Operation Indicator Lights	Green: Normal Timing Single Orange: Low Battery Double Orange: Abnormal Grease Backpressure Red: Complete Greasing Cycle
Product Dimension (Height x Diameter)	Height : 23.1 cm Diameter : 10.1 cm
Rated Power (Battery Range)	Rated power (Lithium Battery Model / Specification) **Easylube®** NX-628B 6V x 2800 mAh, V0
Easylube® Official Service Pack Product Model: NX-250-XXXXPAK-8B Coding principles: NEXUS series + capacity + grease bag specification + lithium battery	Grease Refilling Pack (Grease Specification) NX-250-1000PAK High Performance NX-250-1500PAK Multi-purpose NX-250-2000PAK High Efficiency NX-250-5000PAK Food Grade
Ingress Protection Code	IP66

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Concepts

The Nexus remote control network connects to the user company's internal Internet or WiFi network platforms through Nexus Gateway.

Tasks such as device registration, bearing lubrication specifications, technician invitations, authorization for operations (permissions), grease period settings, on-site inspections/ record reports (NFC devices, cellphone or iPads), consumable replacements, and other data are all controlled by the customer's LINK management center (Manager).

The LINK management center (Manager) can invite technician staff as needed, grant individual authorizations, manage equipment operations in specific areas, assign personnel for onsite inspections (NFC devices, cellphone or iPads), and designate personnel for consumable replacements, among other duty-related tasks.

Unauthorized individuals cannot access system information, nor can they control the Nexus or alter maintenance record information.

The Nexus automatic lubricator only needs NFC activation during its initial setup and on-site inspection assignment. The Nexus will automatically connect and operate with a multi-user, multi-tasking internet. Operational tasks, such as changing grease PAKs, lithium batteries, and troubleshooting abnormal situations, are carried out based on individually authorized task schedules. After completing these tasks, **EasyLube® LINK** will prioritize notifying the management center (which is still in the planning phase). The Manager must issue operational instructions (or authorized operators must use NFC activation) for the Nexus to restart and update the network connection.

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Important Notice

Terms of Use

To safeguard your rights, please confirm that you have understood and agreed to these Terms of Use before starting to use this product. By beginning to use this product, you have indicated that you have read, understood, and accepted these terms. If you cannot comply with or do not agree to these terms, please stop using the **EasyLube®** product and services immediately. These Terms of Use apply to all relevant products and services provided by **EasyLube®**. (The manufacturer reserves the right to make improvements and changes to the content and technical specifications of the product without further notice.)

Please use **EasyLube®**original specification consumables and genuine operating software to maintain the legal right to use the product. Any usage that violates the agreed-upon terms, including but not limited to using non-original imitation consumables, unauthorized modifications or disassembly, or using unauthorized software, may result in the manufacturer immediately terminating the right to use the **EasyLube®** product and related services. In order to protect the legal rights, those who violate these terms shall not object or make any claims.

Low Temperature Operation Instruction

The minimum operation temperature indicated in the product specification represents the operation temperature of the lubricator. For actual operation, the pumping performance of the selected grease and the stability of the power source under low temperature environment are required to be in consideration.

Hazard and Safety Notice

Please follow the warnings and respective safety instructions on the product label when using in hazardous areas.

Please ensure proper antistatic countermeasures as electrostatic charges may accumulate on the surface of the device. According to explosion proof certification specifications, the automatic lubricator is only certified to be used with grease with flash point of 200°F (93°C) or greater.

Please ensure to dispose or recycle the replaced parts (grease cup and battery) in accordance with the environmental protection policies stipulated by local laws. Especially for the lithium battery, it is forbidden to be recharged, dismantled, heated, burned, used outside the intended system, or discarded into water or flame.

These improper behaviors may cause toxic substances to be emitted which may harm the health of people and cause environmental pollution.

Setting Information

Easylube® Nexus can achieve the basic lubrication operation specifications (MQL) confirmation for each bearing through the professional software **Easylube® LINK**. It can then select between automatic lubrication mode or smart lubrication mode based on the "Equipment Operating Time," meeting various lubrication management needs such as equipment size, operating environment conditions, continuous operation, A/ B machine shift usage, shutdown during holidays or maintenance, etc. This simplifies manpower and minimizes the waste of raw material resources.

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Important Notice

Indicator Light Description

Indicator Light Color	Interval	Seconds/ Times	Description
No Light	-	-	Standby / Shutdown / NFC Sensing → No command
Green Light	1s		Motor-driven Operation
	6s		Normal Lubrication Operation (Network is normal)
	Constant Light	2.5 s	NFC Sensing → Receiving Commands
		Constant light until test completed	Power on → Automatic testing → Normal Operation
Orange Light	6s		Low Battery Warning (Battery replacement prompt)
	6s		High Grease Injection Pressure Warning
	6s		Network Connection Problem
	Constant Light	15 m	Power On (Standby) → Not Activated New Installation Replace Consumables → Await Authorization
Red Light	1s		Drive Motor Reversing
	6s		Automatic Lubrication Cycle Completed (Grease pack replacement prompt)
	6s		Drive Unit Malfunction (NFC, Potentiometer, Drive Motor)
	Constant Light	30 s	Abnormal Startup Test

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Certification

NCC

According to NCC LP0002 Technical Specification for Low Power RF Equipment_Chapter 3.8.2:
For low-power radio frequency equipment that has obtained certification, companies, firms or users are not allowed to change the frequency, increase the power or change the characteristics and functions of the original design without approval. The use of low-power radio frequency equipment must not affect flight safety and interfere with legal communications; when interference is found, it should be stopped immediately, and it can only be used after improvement to no interference. The aforementioned legal communication refers to radio communication operated in accordance with the Telecommunications Management Act. Low-power radio frequency equipment must endure the interference of legal communication or industrial, scientific and medical electric wave radiation electrical equipment.

FCC

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:
1) this device may not cause harmful interference and
2) this device must accept any interference received, including interference that may cause undesired operation.

Federal Communications Commission (FCC) Statement

15.105 (a)
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.
This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

15.21
You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement:

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

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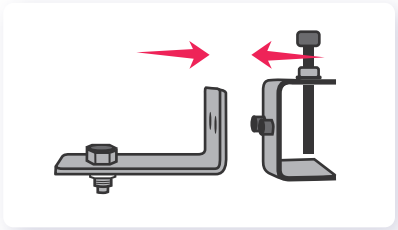
Lubricator Installation Steps

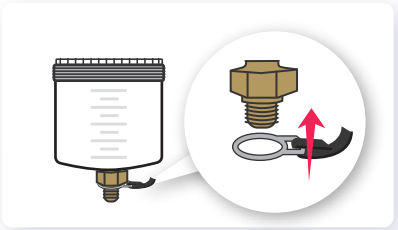
STEP 01.



Install Fixing Bracket:

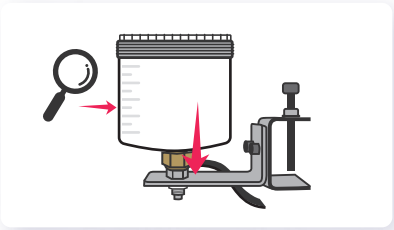
P-205F: Suitable for PU Extension Tube
P-206F: Suitable for Copper Extension Tube
P-202F: High-pressure Tube or Check Valve

STEP 02.



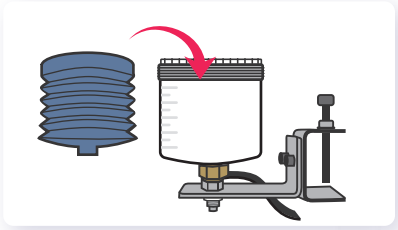
Attach the safety rope.

STEP 03.



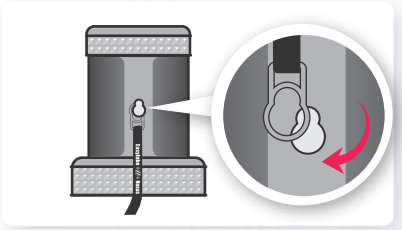
Screw on the outer cup.
Please adjust the grease cup scale.
(Orientate to observer)

STEP 04.



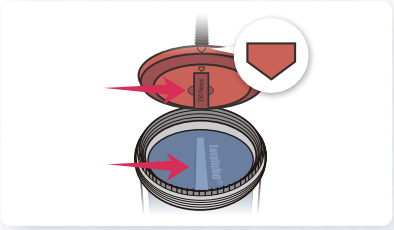
Place the grease pack into the outer cup.

STEP 05.



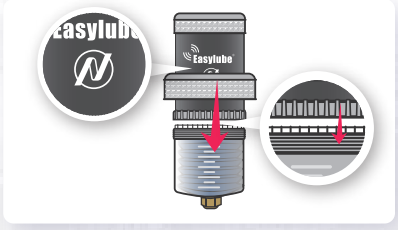
Attach the safety rope to the drive unit (Tighten and rotate after attaching)

STEP 06.



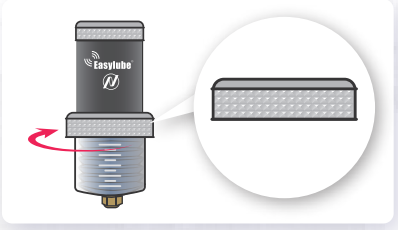
Before assembling the outer cup with the drive unit, please pay attention to aligning the arrow on the drive unit s pressure plate piston with the direction of the grease pack pull ring.

STEP 07.



Assemble the drive unit with the outer cup. (Please orientate the indicator light to observer)

STEP 08.



Tighten the drive unit thread lock. (Installation complete)

STEP 09.

Remove the protective cover from the dedicated battery of NX-628B.

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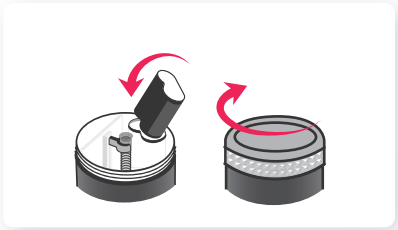
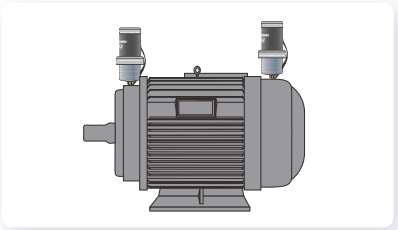
Lubricator Installation Steps

STEP 10.

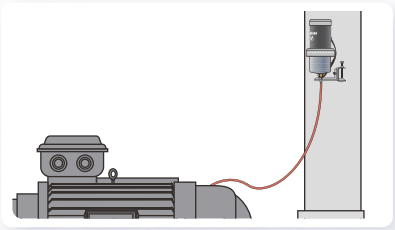


Insert the NX-628B battery. (Power on and standby)

STEP 11.

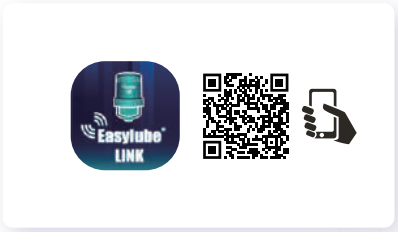


Direct Installation



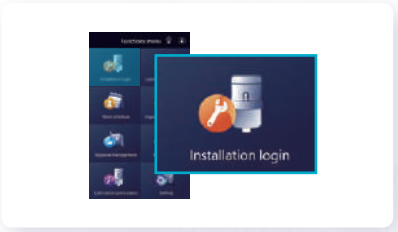
Remote Installation: Install the extension pipe onto the equipment (installation completed).

STEP 12.



Please download and register Easylube LINK first.

STEP 13.

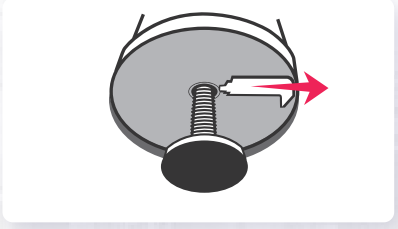


Click on [Install/Register] to register equipment, lubricator information, etc., in the app.

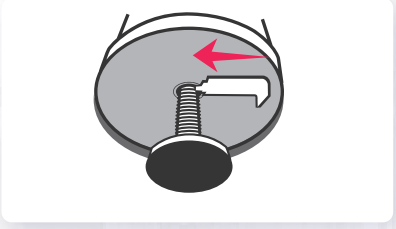
STEP 14.

Activate the drive unit by issuing a command using NFC. (Light indicator location)

Straight up and down fixed plug pin



For manual rotation, please pull part. Rotate the pressure plate clockwise, and the screw will ascend.



Please fasten for automatic operation.

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