

Bearing Lubrication & Technology

EASYLUBE®

Redashe are now the OFFICIAL UK importer for Easylube®; battery operated bearing lubricators, software and alert system. Easylube® has been developed to enhance bearing life expectancy, by precisely calculating and administering the correct dosage of lubricant needed to run a bearing at its optimum level. Lubricators can be placed in multiple points, whilst being monitored for maintenance via the Easylube Patrol Management Kit.

Classic Single-Point Automatic Bearing Lubricator

EL150CLASSIC

The 150ml Classic lubricator is especially designed for MQL (minimum quantity lubrication) formulation, the process of dispensing the minimal amount of grease needed to run a particular bearing. MQL formulation will reduce grease costs and protect bearings from under and over lubrication. All Easylube® lubricators are also designed to stop functioning and depressurise in the occurrence of blockages and abnormal pressure. This feature will protect all machinery from grease pressure build up, which normally results in dislodging of bearings and grease in electric motor coils that ultimately creates: Health and safety issues and equipment malfunction.



Elite Single-Point Automatic Bearing Lubricator

EL150ELITE / EL250ELITE

The 150ml and 250ml Elite lubricators are especially designed for MQL (minimum quantity lubrication) formulation, the process of dispensing the minimal amount of grease needed to run a particular bearing. All Easylube® lubricators are also designed to stop functioning and depressurise in the occurrence of blockages and abnormal pressure. This feature will protect all machinery from grease pressure build up, which normally results in dislodging of bearings and grease in electric motor coils that ultimately creates: Health and safety issues and equipment malfunction.

FEATURES:

- Patented infrared control system
- Built in RFID tag (RFID models only)
- LED warning light (bio coloured on Elite and RFID models)
- Grease time setting (1-12 months)
- Waterproof covering for outside use
- Electromechanical gear set
- Can be used with Easylube patrol management kit and Easylube RFID tags
- Operating temperatures from -20 to 60°C (direct mounting) and up to 100°C re mounting
- Self-adjustable output pressure balance within pipeline
- Pressure blockage release system
- 2 years manufactures warranty



Model	UL approved in hazardous location	Material outlet	Capacity	Dispense period setting	Operating temperature range	Operating pressure range	Dimensions (stature x diameter)	Electrical rating	Replaceable grease cartridge	CE certificate
150 Classic	Class 1 division 2 group B,C,D class II division 2 group F,G	1/2" BSPT (M)	150ml (c.c.) (5.28 oz)	Adjustable; 1-12 months	-20 to 60°C (-4 to 140°F)	75-150psi (5-10 bar)	15.2 x 8.9cm (6 x 3.5")	Replaceable lithium battery pack	2218 versatility	EC council directive 2004/180ec
150 Elite										
150 RFID			250ml (c.c.) (8.80 oz)	19 x 10.25cm (7.48 x 4.04")	8318 FDA grade					
250 Elite										
250 RFID										

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RFID Single-Point Automatic Bearing Lubricator

EL150RFID / EL250RFID

The 150ml and 250ml RFID lubricators are especially designed for MQL (minimum quantity lubrication) formulation, the process of dispensing the minimal amount of grease needed to run a particular bearing. All Easylube® lubricators are also designed to stop functioning and depressurise in the occurrence of blockages and abnormal pressure. This feature will protect all machinery from grease pressure build up, which normally results in dislodging of bearings and grease in electric motor coils that ultimately creates: Health and safety issues and equipment malfunction.

The RFID Lubricators have a built in RFID tag, that identifies the lubrication point via the Patrol Management Software, this enables the maintenance team to maintain a formatted inspection plan for all lubricators, to ensure that all machinery is being maintained efficiently.



Easylube® Patrol Management Software

ELRFIDPMS

Two unique pieces of software combined into one disk.

MQL (minimal quantity lubrication) calculation formula: cutting edge software that calculates the specific greasing requirements needed for a single bearing based on over six major factors: temperature, contamination, moisture, vibration, position and bearing design. EPMS calculates the precise dosage required. Simply type in the bearing details and the calculator will give you the precise measurement of grease required.

Guardwatch Software contains two functions, "data registration" and "identification". The software that is downloaded to the PDA is used for data collection from the RFID lubricator or RFID tags. It enables uploading of data registration, and downloading of the up-to-date data to a PDA before routine inspection. It provides bearing identification, and will alert the main user if a lubricator has not been inspected.

FEATURES:

- Calculates MQL (minimal quantity lubrication) to enhance lubrication efficiency
- Collects data from the ELRFID or RFID tags and calculates abnormalities to further reduce bearing failure
- Comes complete with 2 x Smartlock USB sticks to protect software from prohibited use
- Includes an ELRWD145B-EL RFID reader for use with PDA's that do not include a reader
- Alerts the main user if a lubricator has not been registered on routine inspection
- Easylube® provide Updates via the website for all software
- Redashe staff are fully trained to help with all product relations ■ 2 years manufacture warranty



Handheld Industrial PDA

PA600HF

The rugged design of the PA600 HF won't let you down. Thanks to its IP64 rating, the PA600 HF is resistant to dust and moisture. Its robust build is able to withstand multiple 4ft drops to concrete without risk of damage. This minimises device downtime, reduces repair costs and delivers a much lower Total cost of ownership. This is the first choice PDA for the Easylube® Patrol management software. Includes: PDA (CPU: 624Mhz, ROM: 576MB, RAM: 128MB OS: Mobile 6.1, and 3.5" touch screen), RFID reader ISO 14443A, rechargeable Li-ion battery 3.7V 3300mAh, USB connection/charge cable

FEATURES:

- Supports three ISO standards in one device: ISO15693, ISO14443A, ISO14443B
- Windows Mobile 5.0 operating system ■ Integrated HF RFID reader, keypad and touch screen
- Built-in Bluetooth and WLAN as standard ■ IP64 rated for industrial use
- SDIO expansion slot ■ Full range of accessories and chargers
- Supports Oracle Database Lite, Microsoft BizTalk Server 2006 and Wavelink Avalanche



GENERAL ACCESSORIES

Accessory	Part number	Description
Li-battery pack - 6 volt DC	P-613B	Replacement battery pack for all Easylube Classic 150ml, RFID 150ML, Elite 250ml and RFID 250ml lubricators.
USB Smart Lock	ELUSB	Smart Lock USB key for the Patrol management software kit for extra users. The Patrol management software cannot be used without a smart lock key.
Technical guidebook	ELTECHBOOK	A technical guide on everything you need to know about what grease does for bearings and the correct method to greasing bearings lubrication. This technical guide also offers in-depth knowledge on how Easylube has been created to enhance bearing life expectancy.
Empty grease cup 150ml	ELP150C	Empty cartridge can be filled with any NLGI 1 and 2 grease, suitable for use with the Easylube 150ml Classic and Elite lubricators.
Refilling position cap	ELP151C	To be used in conjunction with the ELP150C 150ml empty grease cups. This allows the user to fill the grease cartridge to its maximum quantity, quickly and cleanly.
Empty grease cup 250ml (a replacement unit)	ELP250C	Empty cartridge can be filled with any NLGI 1 and 2 grease, suitable for use with the Easylube 250ml Elite lubricators.
Refilling position cap (a reuse unit)	ELP251C	To be used in conjunction with the ELP250C 250ml empty grease cups. This allows the user to fill the grease cartridge to its maximum quantity, quickly and cleanly.
Grease nipple (a reuse unit)	ELP400G	Fits any standard greasing unit via a 3 or 4-jaw coupler to fill all Easylube empty grease cups.
Grease nipple (MB)	ELP404G	For filling extension tube for Easylube mounting brackets.

DIRECT MOUNTING ADAPTORS

Accessory	Part No.	Description
Straight adaptor	ELP403S	1/2" (F) to 3/8" (M), straight
Straight adaptor	ELP402S	1/2" (F) to 1/4" (M), straight
Straight adaptor	ELP401S	1/2" (F) to 1/8" (M), straight
Straight adaptor	ELP410S	1/2" (F) to 10mm (M), straight
Straight adaptor	ELP408S	1/2" (F) to 8mm (M), straight
Straight adaptor	ELP201S	1/4" (F) to 1/8" (M), straight
Straight adaptor	ELP108S	1/8" (F) to 8mm (M), straight
45° angle adaptor	ELP403A	1/2" (F) to 3/8" (M), 45° angle
45° angle adaptor	ELP402A	1/2" (F) to 1/4" (M), 45° angle
45° angle adaptor	ELP401A	1/2" (F) to 1/8" (M), 45° angle
45° angle adaptor	ELP410A	1/2" (F) to 10mm (M), 45° angle
45° angle adaptor	ELP408A	1/2" (F) to 8mm (M), 45° angle
45° angle adaptor	ELP201A	1/4" (F) to 1/8" (M), 45° angle
45° angle adaptor	ELP108A	1/8" (F) to 8mm (M), 45° angle

COPPER PIPE MOUNTING BRACKET WITH ADAPTORS (FOR HIGH TEMPERATURE CONDITIONS)

Copper pipe bracket	ELP406F	Copper pipe mounting bracket 1/2" (F) to copper pipe, Ø 6 x 0.8mm
Copper pipe bracket	ELP603H	Connector 3/8" (M) straight
Copper pipe bracket	ELP602H	Connector 1/4" (M) straight
Copper pipe bracket	ELP601H	Connector 1/8" (M) straight
Copper pipe bracket	ELP693H	Connector 3/8" (M) 90° angle
Copper pipe bracket	ELP692H	Connector 1/4" (M) 90° angle
Copper pipe bracket	ELP691H	Connector 1/8" (M) 90° angle
Copper pipe bracket	ELP108S	1/8" (F) to 8mm (M), straight
Copper pipe bracket	ELP108A	1/8" (F) to 8mm (M) 45° angle
Copper pipe bracket	ELP106S	1/8" (F) to 6mm (M) straight
Copper pipe bracket	ELP608H	Copper pipe, Ø 6 x 0.8mm 50 meter per roll

SUPPORT CONNECTOR PIPES

Support connector pipe	ELMM111	Pipe, 1/8" (M/M x 29mm (L)
Support connector pipe	ELMM121	Pipe, 1/8" (M/M x 58mm (L)
Support connector pipe	ELMM131	Pipe, 1/8" (M/M x 89mm (L)
Support connector pipe	ELFF101	Connector 1/8" (F/F), straight
Support connector pipe	ELFF191	Connector 1/8" (F/F), 90° angle

REMOTE MOUNTING CLIPS

Remote mounting clip	ELP506C	Remote mounting bracket, can be used with all Easylube mounting brackets without damaging other equipment.
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GREASE CARTRIDGE CUPS

Accessory	Part No.	Description
2218 - Versatility Li-Complex NLGI #2 ISO VG 220 Colour: dark blue	EL2218-150	150 ml grease cup suitable for both the 150 ml Classic & Elite lubricators
	EL2218-250	250 ml grease cup suitable for the 250 ml Elite Lubricator
1000 - SHC Synthetic Li-Complex NLGI #2 ISO VG 100 Colour: red	EL1000-150	150 ml grease cup suitable for both the 150 ml Classic & Elite lubricators
	EL1000-250	250 ml grease cup suitable for the 250 ml Elite Lubricator
4600 - SHC Synthetic Li-Complex NLGI #2 ISO VG 460 Colour: red	EL4600-150	150 ml grease cup suitable for both the 150 ml Classic & Elite lubricators
	EL4600-250	250 ml grease cup suitable for the 250 ml Elite Lubricator
8318 - FDA grade aluminium complex ISO VG 220 Colour: white	EL8318-150	150 ml grease cup suitable for both the 150 ml Classic & Elite lubricators
	EL8318-250	250 ml grease cup suitable for the 250 ml Elite Lubricator

PU TUBE MOUNTING BRACKET WITH ADAPTORS (FOR NORMAL CONDITIONS)

PU tube bracket	ELP405F	1/2" (F) to PU tube Ø 5 x 8 mm
Copper pipe bracket	ELP502U	Connector 1/4" (M), straight
Copper pipe bracket	ELP501U	Connector 1/8" (M), straight
Copper pipe bracket	ELP500U	Connector 1/16" (M), straight
Copper pipe bracket	ELP592U	Connector 1/4" (M), 90° angle
Copper pipe bracket	ELP591U	Connector 1/8" (M), 90° angle
Copper pipe bracket	ELP590U	Connector 1/16" (M), 90° angle
Copper pipe bracket	ELP502USP	Fast connector 1/4" (M), straight
Copper pipe bracket	ELP501USP	Fast connector 1/8" (M), straight
Copper pipe bracket	ELP510M	Fast connector 10mm (M), straight
Copper pipe bracket	ELP508M	Fast connector 8mm (M), straight
Copper pipe bracket	ELP506M	Fast connector 6mm (M), straight
Copper pipe bracket	ELP592USP	Fast connector 1/4" (M), 90° angle
Copper pipe bracket	ELP591USP	Fast connector 1/8" (M), 90° angle
Copper pipe bracket	ELP510MSP	Fast connector 10mm (M), 90° angle
Copper pipe bracket	ELP508MSP	Fast connector 8mm (M), 90° angle
Copper pipe bracket	EL506MSP	Fast connector 6mm (M), 90° angle
Copper pipe bracket	ELP108S	1/8" (F) to 8mm (M), straight
Copper pipe bracket	ELP108A	1/8" (F) to 8mm (M), 45° angle
Copper pipe bracket	ELP106S	1/8" (F) to 6mm (M), straight
Copper Pipe bracket	ELP508U	PU tube, Ø 5x 8mm 100 meter per roll