

Reliable Gear Teeth Lubrication



LUBCON® LubeGearSystem

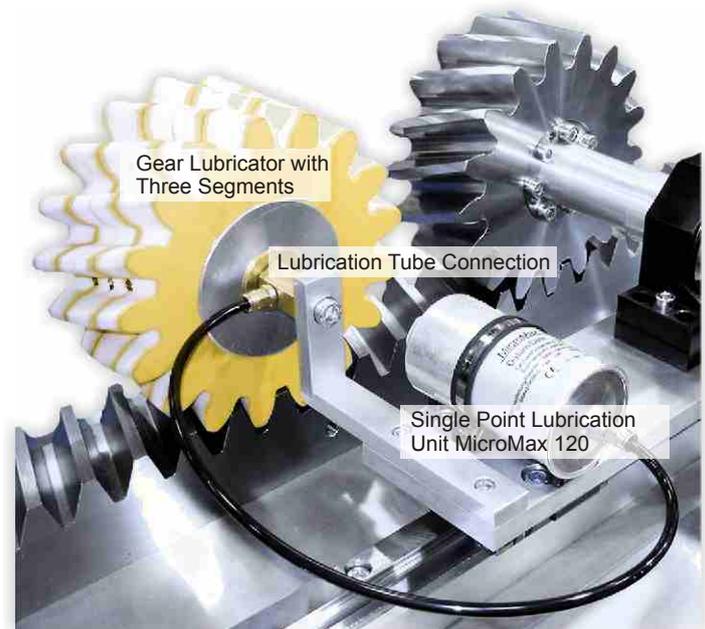
The LUBCON LubeGearSystem for optimum gear, gear rim as well as gear rack lubrication is used in addition to a single point lubrication unit or a central lubrication system. In combination with LUBCON lubricants it enables permanent lubrication and wear-free gear operation over a long period.

Flexible Lubrication for Maximum Machine Performance and Reliability

The gear lubricator consists of wear-resistant polyurethane (PU) material. Therefore, it shows greater resistance than e. g. felt gears.



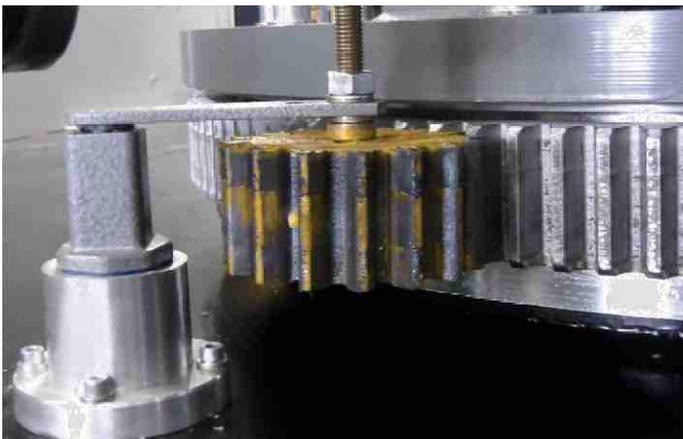
The PU foam material absorbs the lubricant and distributes it evenly and efficiently onto gear teeth. Due to its flexible assembly possibilities, the LUBCON LubeGearSystem is a space and cost saving solution for gear teeth lubrication.



The LUBCON LubeGearSystem can be operated in combination with a single point lubrication unit or a central lubrication system. In comparison to manual lubrication, LUBCON LubeGearSystem is a cost efficient, easy and effective solution for smooth lubricant application.

Features

- ✓ Continuous gear lubrication with oils or greases up to NLGI grade 3.
- ✓ Optimum lubrication film due to high absorption capabilities of the polyurethane (PU) material.
- ✓ Low lubricant consumption.
- ✓ Minimises gear contamination due to even lubricant application.
- ✓ No solidifying or adhesion on surfaces.
- ✓ Enables high speeds and accelerations.
- ✓ Suitable for any gear type (spur and helical teeth).
- ✓ Requires minimum mounting space.
- ✓ Flexible assembly.
- ✓ Operating temperature range:
-40 °C up to +150 °C (-40 °F up to 302 °F)



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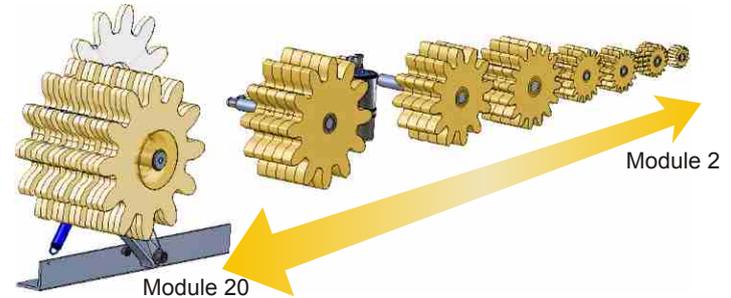
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Width/Design

LUBCON LubeGearSystem is available with various teeth-widths (20 up to 120 mm) and in different designs for gear types e. g. with spur and helical teeth.



Modules



The gear lubricator segments are arranged onto a bushing. The bushing rotates around its mounting axle. The gear lubricator teeth meet precisely with the pinion drive teeth flank surfaces. A bore in the mounting axle supplies the lubricant to the gear lubricator outlets of the LUBCON LubeGearSystem.



Technical Data

Suitable lubricants	Oils and greases up to NLGI grade 3
Width	20 mm up to 120 mm (further sizes upon request)
Modules	2–20 modules (further modules upon request)
Peripheral velocity	Max. 5 m/s (higher velocity upon request)
Teeth count	17 teeth (standard) (additional teeth counts upon request)
Design	Left/right 20 ° spur/helical teeth (additional angles upon request)
Lubricant fitting	G 1/8"
Connection	M12 or M16
Ambient temperature	-40 °C up to +150 °C (-40 °F up to 302 °F)

LUBCON® Lubrication Systems

EasyMatic



Automatic central lubrication system for oils and greases with up to 22 lubricating points (44 points with two pump elements). EasyMatic has been developed for automatic long-term lubrication of machines in industrial environments.

MicroMax 120



Single point lubrication unit for automatic lubrication up to a maximum of 3 years. MicroMax 120 can be used with a large variety of long-life greases for any individual bearing, ball screws, gears, etc.

DuoMax 160



Double point lubrication unit for maintenance-free operation of e. g. electric motors up to a maximum of 3 years. It can also be used for fan shaft bearings and many others with a large variety of long life greases.

QuattroMax 30



This lubrication unit supplies high speed spindles with minimum lubricant quantities and is the only unit on the market that can be utilized for the lubrication during spindle operation.

LUBCON Service + Systems GmbH Lubrication Systems

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