

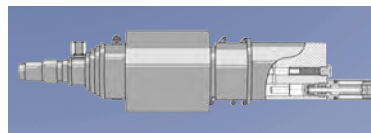
Cobra 1X

The enhanced Cobra 1X from Lincoln's chain lubrication range is particularly suitable for conveyor chains and conveyor lines, in which the inner roller and stud of the chain are lubricated while the chain is in operation. The system can supply either NLGI class 2 grease or oil. A new drive technology, which is a combination of a pneumatic and mechanical drive, as well as a newly designed lubrication head, provides two key advantages:

- The load subjected to the chain is substantially lower

- A higher maximum lubricant pressure of up to 150 bar

The newly designed lubrication head enables an exact metering from 0.2 cm³ to 2 cm³ per lubrication cycle, and the adjusting screw permits infinite metering adjusting within this range. Visual monitoring is performed via an indicator pin.



Metering and Monitoring Unit

System Benefits

- For oil and grease up to NLGI class 2
- Lubrication frequency of 1 cycle per second.
- Supply quantity of 0.2 cm³ to 2 cm³ per stroke
- Lubricant pressure of max. 150 bar
- For chain speeds up to 20 m/min
- Manual Start/Stop or optional automated (electro pneumatic)
- Visual monitoring via indicator pin
- No control cabinet required (for the standard version)

Applications

- Mining
- Steel & iron industry
- Cement industry
- Automotive plants
- Food processing operations

For complicated applications with intricate access – we offer a complete pneumatically controlled Cobra 501 unit.

Cobra systems can be individually designed to suit your application. Our project & systems engineers will gladly offer you a custom-designed system to match your requirements

Technical Data

Max. lubrication cycle frequency	1 lube impulse every second
Max. chain speed	400 mm/s

The following information is necessary when requesting a quote for Cobra systems.

- Number of chains
- Distance between the chains
- Deviations of lubricating nipple – horizontally and vertically
- Position of chain at Cobra mounting place
- Number of lubricating points/chain
- Does the chain move forward and backward?
- Speed of chain
- Pitch of chain
- Total length of chain/conveyor
- Type of operation – continuous, interval (pause and run times needed)
- Type of lubricating nipple
- Temperature in mounting area
- Compressed air supply pressure
- Electrical supply
- Environmental influences – humidity, aggressive environment, etc.
- Type of lubricant