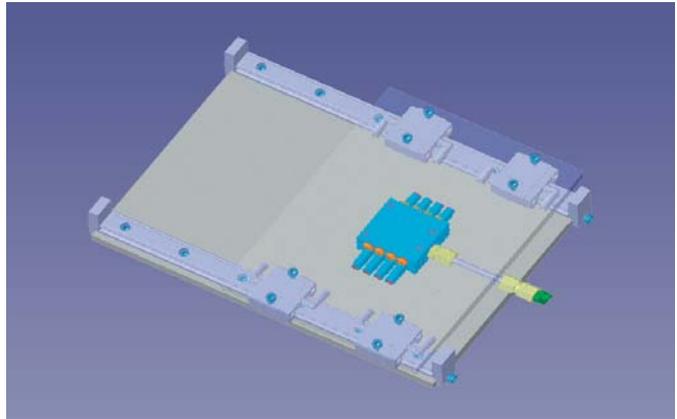


Centralized Lubrication for Linear Guides



A large portion of industrial movements are linear. This includes, for example, the transportation of components within an area, or the feeding of tools to the work-piece - or vice versa. Such guiding systems must be supplied regularly and evenly with an optimal amount of lubricant. Usually the manufacturers of linear guides will indicate in their data sheets at what interval lubricant should be supplied to the linear guide carrier.



Lincoln progressive systems, comprising SSVM, SSV and SSVD series lubricant metering devices and the appropriate pumping system, offer the ideal solution. Progressive lubrication systems offer the possibility to connect all lubrication points of a linear guide system - including the drive - to a single lubrication point. Thus, one centrally located lubrication point supplies the assembly with a synchronized and even amount of lubricant. The range of the usable lubricants spans from oil starting at 40Cst up to NLGI class 2 grease.



It may be conceivable to plumb the individual lubrication points to a strip with several lubrication nipples, but the danger exists that not all points will be supplied with the appropriate amount of lubricant. Lincoln centralized lubrication systems, on the other hand, offer an optimal lubrication of hard-to-reach points by connecting them together and supplying from a central point.

The first step in centralization may involve the central supply of lubricant via a Lincoln manual grease gun. Because Lincoln lubrication systems are modular, they can be readily extended by simply adding an automated lubrication pump. And, if several progressive metering devices are already in use, the possibility exists to connect them to a main metering device and either manually or automatically supply them with lubricant.

As the construction of guiding systems always involves a sandwich of two plates, the lubrication points of the guide carriage are often virtually inaccessible by hand. This is the special challenge for lubrication systems.

System Advantages

- Even and continuous supply with lubricant
- Connection of hard-to-reach lubrication points
- Modular design - an automated lubrication pump can be retro-fitted at any time
- High system pressure over 200 bar possible (depending on the type of pumping system)



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Printed in Germany
Form W-145-En-1006

