

Lubrication Methods

There are three methods of lubricating LM systems: manual greasing using a grease gun or manual pump, forced greasing with the aid of an automatic pump, and oil-bath lubrication.

To achieve efficient lubrication, it is necessary to mount the grease nipple or the plumbing fixture according to the mounting orientation.

We also stock grease guns, grease nipples, and plumbing fixtures. See **A24-33**–**A24-35**.

(If using the product in any orientation other than horizontal, be sure to let THK know the mounting orientation and the exact position in each LM block where the grease nipple or the plumbing fixture should be attached. For the mounting orientation of the LM Guide, see **A1-12**.)

Manual Lubrication

Generally, grease is replenished periodically and fed through the grease nipple provided on the LM system using a grease gun. (Fig.1)

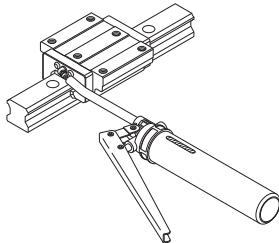


Fig.1 Lubrication using a grease gun

Forced Lubrication Method

With this method, a given amount of lubricant is forcibly fed at a given interval. (Fig.2)

Although a special lubrication system using piping or the like needs to be designed, this method reduces the likelihood of forgetting to replenish lubricant.

Use only after making sure that the lubrication oil discharges normally from the ends of the lubrication piping, i.e., the oiling ports that connect to your LM system.

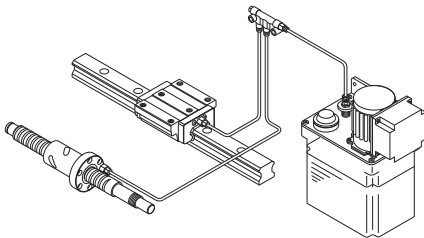


Fig.2 Forced lubrication method