

4. Precautions on Using the LM Stroke

Handling

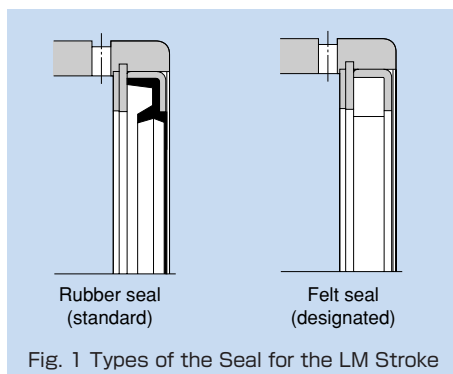
- (1) Disassembling components may cause dust to enter the system or degrade mounting accuracy of parts. Do not disassemble the product.
- (2) Dropping or hitting the LM Stroke may damage it. Giving an impact to the LM Stroke could also cause damage to its function even if the product looks intact.

Lubrication

- (1) LM Stroke model ST can use either oil or grease as a lubricant. Select either lubricant according to the DN value. When using grease, we recommend high-quality lithium-soap group grease No. 2.
- (2) Thoroughly remove anti-corrosion oil and feed lubricant before using the product.
- (3) Do not mix lubricants of different physical properties.
- (4) In locations exposed to constant vibrations or in special environments such as clean rooms, vacuum and low/high temperature, normal lubricants may not be used. Contact **THK** for details.
- (5) When planning to use a special lubricant, contact **THK** before using it.

Precautions on Use

- (1) Entrance of foreign matter into LM Stroke model ST may cause abnormal wear or shorten the service life. When entrance of foreign matter is predicted, it is important to select an effective sealing device or dust-control device that meets the atmospheric conditions. For LM Stroke model ST, a special synthetic rubber seal (ST···UU) that is highly resistant to wear and a felt seal with high dust prevention effect and low seal resistance (ST···DD) are available for some types as dust prevention accessories.
- (2) If foreign matter such as dust or cutting chips adheres to the product, replenish the lubricant after cleaning the product with pure white kerosene.
- (3) When desiring to use the system at temperature of 80°C or higher, contact **THK** in advance.
- (4) When planning to use the product in an environment where the coolant penetrates the LM Stroke, contact **THK** in advance.
- (5) When using the product in locations exposed to constant vibrations or in special environments such as clean rooms, vacuum and low/high temperature, contact **THK** in advance.



Storage

When storing the LM Stroke, enclose it in a package designated by **THK** and store it while avoiding high temperature, low temperature and high humidity.