

1.8. Lubrication

The spherical sliding surface of the Spherical Bearing is seized with a solid lubricant film of molybdenum disulfide. This enables the Spherical Bearing to be used over a relatively long period without further lubrication under a static load, in low-speed rocking motion or in intermittent rotary motion. However, it is generally necessary to replenish grease on a regular basis. If a heavy load is applied, consider using lithium soap group grease containing molybdenum disulfide. The inner and outer rings of the spherical bearing have greasing holes as a means to facilitate the flow of the lubricant inside the bearing.

Lubrication Interval

Since the Spherical Bearing is delivered without being applied with a lubricant, it is necessary to replenish an appropriate amount of grease after installing the Spherical Bearing.

We recommend filling grease also to the space surrounding the Spherical Bearing. It is also recommendable to shorten the lubrication interval in the start-up period in order to lighten the initial wear and extend the service life.

The lubrication interval varies according to the magnitude of the load, frequency of the vibrations and other conditions. Provide lubrication while referring to the values in table 7 as a guide.

Table 7 Lubrication Interval

Type of load	Required minimum lubrication interval
Unilateral load	G/ 40
Varying load	G/180

G: Service life of the bearing (total number of rocking motions or total number of revolutions)