



## Operating Cautions – GY series

### ■ Lubrication

Use lithium soap-based grease with excellent watertightness and heat resistance as lubricating grease and use spindle oil or turbine oil (#90~#180) as lubricating oil.

### ■ Shaft-end machining

When using the ball screw, the shaft end requires an additional machining. As the fixed side bearing unit is not hardened, post-machining can be easily performed. The unhardened shaft end is coated with white paint for discrimination.

As the supported side is hardened to surface hardness of HRC56 to 62, lathe turning or grinding by using a cutting tool for quench-hardened steel is recommended.

This series of ball screws of 12 diameter or less has a center hole, but concentricity with the thread groove is not yet attained. Therefore, perform centering on the basis of the outside diameter in the case of additional machining. In order to facilitate shaft-end machining, the ball screw is supplied with the nut assembly incorporated in a jig and the screw shaft disjoined.

This series of ball screws of 8 diameter, 10 diameter, 12 diameter are supplied with the screw shaft and the nut joined.

For detailed instructions for additional machining, refer to Operation Manual. KURODA takes on the machining of the shaft end. Specify the intended size by to the attached shaft end finish ordering sheet.

If the shaft-end machining is held by other than KURODA, the accuracy of the products is not guaranteed.