



Operating Cautions – GE, GG series

■ Dust-proofing

Dustproof ball screws GE and GG series (except of screw shaft diameter 8 and 10) are equipped with wipers to prevent damage by contamination. In order to achieve more effective dust-proofing, however, fit an attachment such as bellows and telescopic cover.

■ 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 additional machining.

• GG series ball screw

KURODA takes on the machining of the shaft end. Specify the intended size by the attached shaft end finish ordering sheet (Use by copying them). If the shaft-end machining is held by other than KURODA, the accuracy of the products is not guaranteed.

• GE series ball screw

As the fixed side bearing unit of GE series ball screws is not hardened, post-machining can be easily performed. As the supported side is hardened to surface hardness of HRC 58 to 62, lathe-turning or grinding by using a cutting tool for quench-hardened steel is recommended. In order to facilitate shaft-end machining, use a sleeve to detach the nut from the screw shaft. When assembling the screw shaft with the nut, be sure to remain the same combination as at the time of delivery. If the combination is changed, the ball screw may lose smooth operation in order not to keep the appropriate axial clearance.

- Make the screw shaft perpendicular, press the sleeve to the screw shaft end

face, and rotate the nut lightly while being careful not to apply excessive force.

- Carefully and horizontally hold the nut moved to the sleeve so as to prevent dropping.

For further details of instructions for additional machining, refer to Operation Manual for GE Series Ball Screws.