

Mounting Procedure

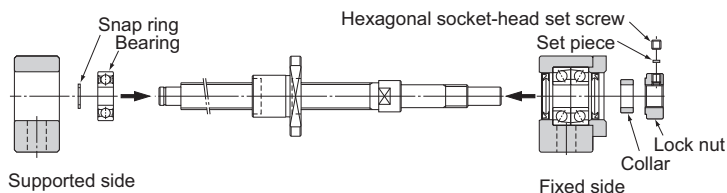
Installing the Support Unit

- (1) Mount the fixed-side support unit on the screw shaft.
- (2) After attaching the fixed-side support unit, secure the lock nut using the fastening set piece and the hexagonal socket-head setscrews.
- (3) Attach the supported-side bearing to the screw shaft, secure the bearing using the snap ring, and then install the assembly to the housing on the supported side.

Note1) Do not disassemble the support unit.

Note2) When inserting the screw shaft to the support unit, take care not to let the oil seal lip turn outward.

Note3) When securing the set piece with a hexagonal socket-head setscrew, apply an adhesive to the hexagonal socket-head setscrew before tightening it in order to prevent the screw from loosening. If planning to use the product in a harsh environment, it is also necessary to take measures to prevent other components/parts from loosening. Contact THK for details.

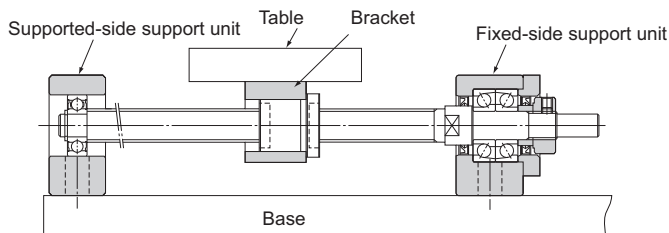


Installation onto the Table and the Base

- (1) If using a bracket when mounting the ball screw nut to the table, insert the nut into the bracket and temporarily fasten it.
- (2) Temporarily fasten the fixed-side support unit to the base.

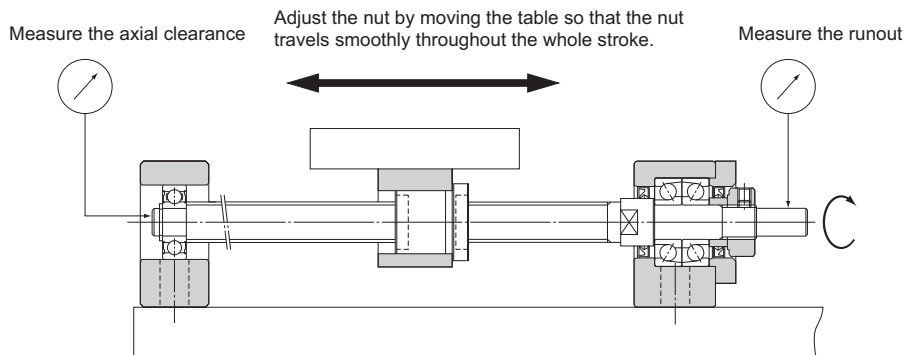
In doing so, press the table toward the fixed-side support unit to align the center of the axis, and adjust the table so that it can travel freely.

 - If using the fixed-side support unit as the reference point, secure a clearance between the ball screw nut and the table or inside the bracket when making adjustment.
 - If using the table as the reference point, make the adjustment either by using a shim (for a square support unit), or securing clearance between the outer surface of the nut and the inner surface of the mounting section (for a round support unit).
- (3) Press the table toward the fixed-side support unit to align the center of the axis. Make the adjustment by cycling the table several times so that the nut travels smoothly throughout the whole stroke, and temporarily secure the support unit to the base.



Checking the Accuracy and Fully Fastening the Support Unit

While checking the runout of the ball screw shaft end and the axial clearance using a dial gauge, fully fasten the ball screw nut, the nut bracket, the fixed-side support unit and the supported-side support unit, in that order.



Connection with the Motor

- (1) Mount the motor bracket to the base.
- (2) Connect the motor and the ball screw using a coupling.
Note) Make sure the mounting accuracy is maintained.
- (3) Thoroughly perform a warming-up operation for the system.

