

To consider when mounting a new ballscrew.

These are only general instructions, each machine must be seen as a specific case.

1. After checking dirt on ballscrew. Remove machine guard and clean thoroughly.

2. **To check before replacing the ballscrew**

- That the lubrication has worked
- Check dirt and chips on ballscrew
- That the protection for the ball screw is intact
- That the ballscrew/bearing units are lined up
- That screws for ball nut and bearing package are not loose
- That there is no play in the ball nut or bearing unit (It may only be enough to change bearings)

3. Leave the new ball screw in the packaging until you start assembly.

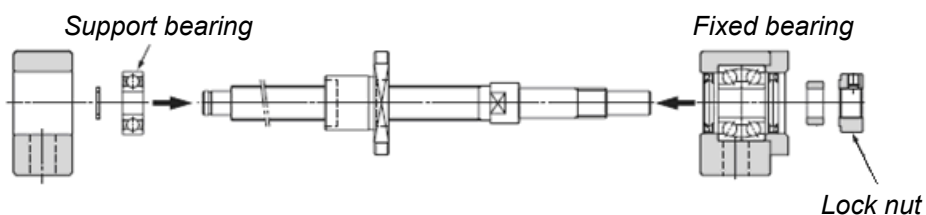
4. Mount and center the bearing on the fixed side.

5. Always change bearings when replacing the ball screw.

6. Tighten the lock nut for the bearing, see specified torque.

7. Mount the support bearing on the screw and insert into the bearing housing.

8. Make sure that no dirt gets on the ball screw.



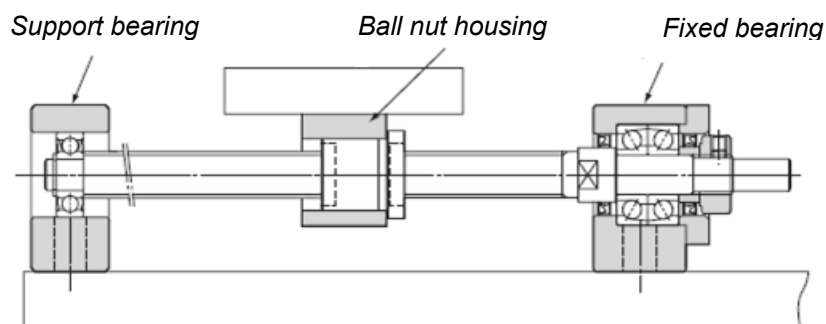
9. Insert the ball nut into the housing and fasten the screws loosely with your fingers.

10. Tighten the bearing on the fixed side (usually the drive side).

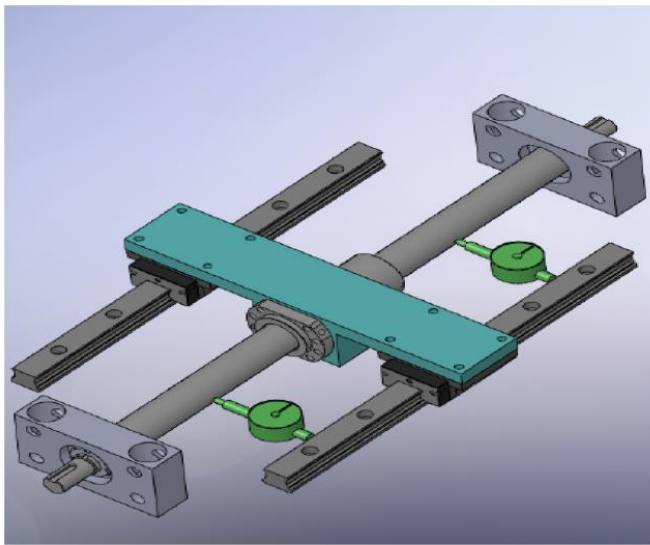
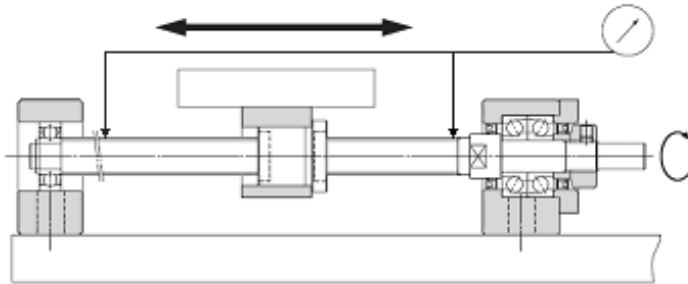
11. Run the table back and forth, place it as close to the fixed bearing side as possible. Then tighten the locknut.

12. Drive the table back and forth and adjust any directional errors.

13. Then tighten the support bearing.



14. Check the alignment



OBS!

For best life length for the ball screw, the maximum deviation between linear guide and ball screw should be: $<0.01 \text{ mm / m}$

15. When everything is okay, check that all screws are tightened on the bearing and ball nut.
16. Check that the lubrication to the ballscrew works properly.
17. Then mount the motor and the coupling.

