

Ball screws from PBC Linear are high-precision parts. During transportation and storage, they must be protected from shock, dirt, or moisture. We recommend keeping them packaged until ready for use.

Before mounting the ball screw, please check that the area is clean. Dirt or foreign matter on a screw ball race or inside the nut may cause increased wear and premature failure. Please consult our lubrication recommendation before mounting or operating ball screws.

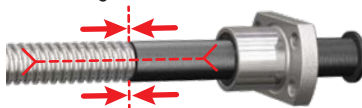
Assembling of ball screw units.

1. Remove the transport lock (cap) on one side.



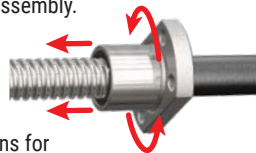
Make sure to keep spool piece and nut in a horizontal position; otherwise, the nut may slide off from the spool piece and balls may fall out of the ball race. In the event such an incident does occur, balls must be properly re-inserted. Otherwise, the ball screw might be damaged or not operate properly. If in doubt, please contact PBC Linear.

2. Insert the screw end up to the spool piece. The spool piece and screw must be held concentric to each other and against each other.



CAUTION: Operator must be able to advance the end of the spool piece up to the tread intake; otherwise, balls may fall out of the ball race and damage or block the assembly.

3. Gently turn the nut onto the screw.



Lubrication

The usual specifications for lubricating ball bearings also apply to ball screws. However, lubrication applied only once is not sufficient to last a lifetime in most cases. Therefore, regular lubrication is required to extend the service life of the ball screw.

Please note: When shipped, screws have a protective film of rust inhibitor. Before mounting or operating the ball screw, units must be lubricated with the proper lubricant directly onto the screw. A recommended all-purpose grease lubricant: MOBILUX EP 2.

Before using another lubricant, please verify compatibility with anti-corrosion agents. Prior to lubrication, we recommend rinsing the ball screw with a solvent to remove the rust inhibitor.

CAUTION: Do not use grease containing graphite or MoS.

No Liability

Compliance with the above handling, mounting, and lubricating instructions is critically important. PBC Linear shall not be held liable for any loss or damage, whether direct, indirect, or consequential, resulting from the failure to observe all or any of said instructions or from inappropriate or deficient compliance therewith.