

Linear Bearing Information

TSLOTS LINEAR BEARINGS

The shimless linear bearing provides accurate linear movement on TSLOTS extrusions. The bearing can be adjusted for the first time on an assembly or adjusted for wear while assembled to the application, providing that the adjustment screws are available to the adjustment tools. No shims, no disassembly, only accurate sliding.

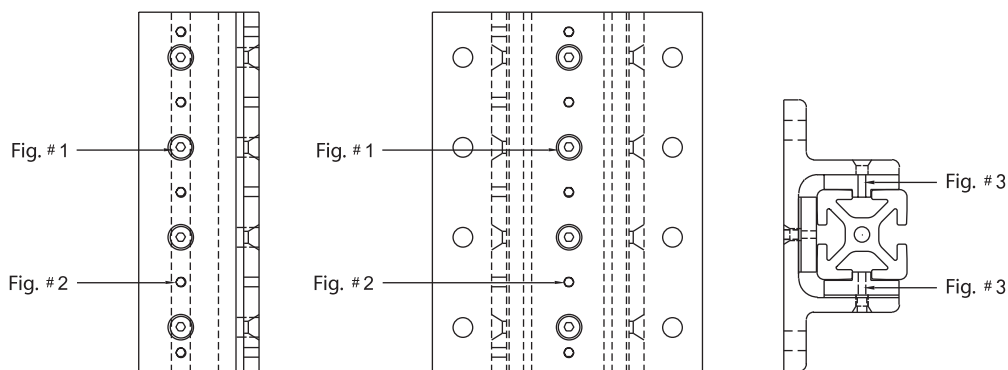
1. Linear Bearing adjustable bearing pads are delivered in the open position. Slide the bearing on the extrusion to be used. (Fit will be loose, because of the open position.)
2. Using a 1/16 allen wrench for a 10 Series linear bearing, and a 3/32 allen wrench for 15 Series linear bearing, loosen the Flathead socket cap screws on each side of the linear bearing incrementally as follows. (Fig. #1)
 - o 10 Series Bearing, 4-40 THREAD
 - o 15 Series Bearing, 8-32 THREAD

**Each flathead screw should be loosened the same amount, to provide even shimming on the extrusion.*

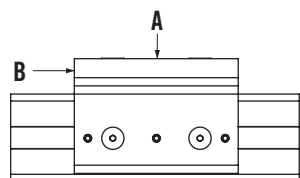
3. Tighten each set screw, using a .050 allen wrench for a 10 Series linear Bearing, and a 5/64 allen wrench for a 15 Series linear bearing, until each flat head screw is properly seated in each countersink. Hint: The amount of turns per set screw will be the same amount as for the flat head socket cap screw. (Fig. #2)

4. For fine tuning: Repeat steps 2 & 3.

**Replacement bearing pads are available through TSLOTS or your distributor. Due to patent requirements, TSLOTS requires all users of the aforementioned product to only replace bearing pads as per the drawing below. Only the opposing sides have keyed bearing pads. (Fig. #3)*



LINEAR BEARING LOAD RATINGS



LINEAR BEARING LOAD RATINGS FOR BOTH ECONOMY AND STANDARD BEARINGS

SERIES	LOAD A	FORCE B
10 S	375 lbs	Force to move = 45 lbs
15 S	500 lbs	Force to move = 60 lbs

**Values are recommended load ratings not to be used for design purposes.*

