

Adjust Velmex Rotary Table Mesh

To adjust B4800 Rotary Table mesh:

READ BEFORE PROCEEDING



- If you receive as a new unit, the worm adjustment has already been done at the factory. Please do not attempt to adjust again.
- If installing a motor on the unit, it is recommended the motor have two flats at 90° angles or it will be difficult to remove, if necessary, in the future.

Adjusting Instructions

Refer to Diagram 1

1. Check the backlash in the table by holding top of the table in your hand and moving it back and forth.
2. If backlash is excessive, follow the instructions on the label (Diagram 2) on the side of the table. They include:

Refer to Diagram 2

- A. Loosen the 2 top clamp bolts one half turn
 - B. To tighten turn the mesh adjustment set screw clockwise 1/8 turn
 - C. To loosen turn the set screw 1/8 turn counter-clockwise and pull the motor block away from gear slightly.
 - D. Re-tighten the clamp bolts.
 - E. Rotate table 1 full revolution. Check table for backlash and smooth operation.
3. If motor stalls or table is loud, mesh adjustment may need to be backed off. However, double-check step motor controller configuration first.

Low geared tables, ie 18:1 have more backlash than the higher geared 72:1 tables.



DIAGRAM 2
Side label

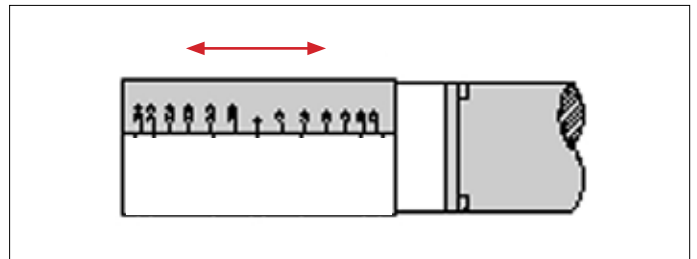


DIAGRAM 1
Side View of Table

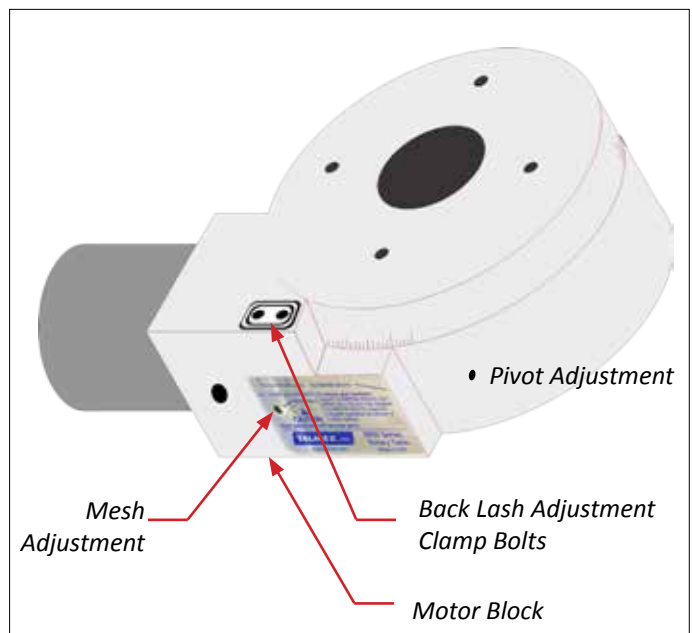


DIAGRAM 3



Positioning Systems for Science and Industry

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