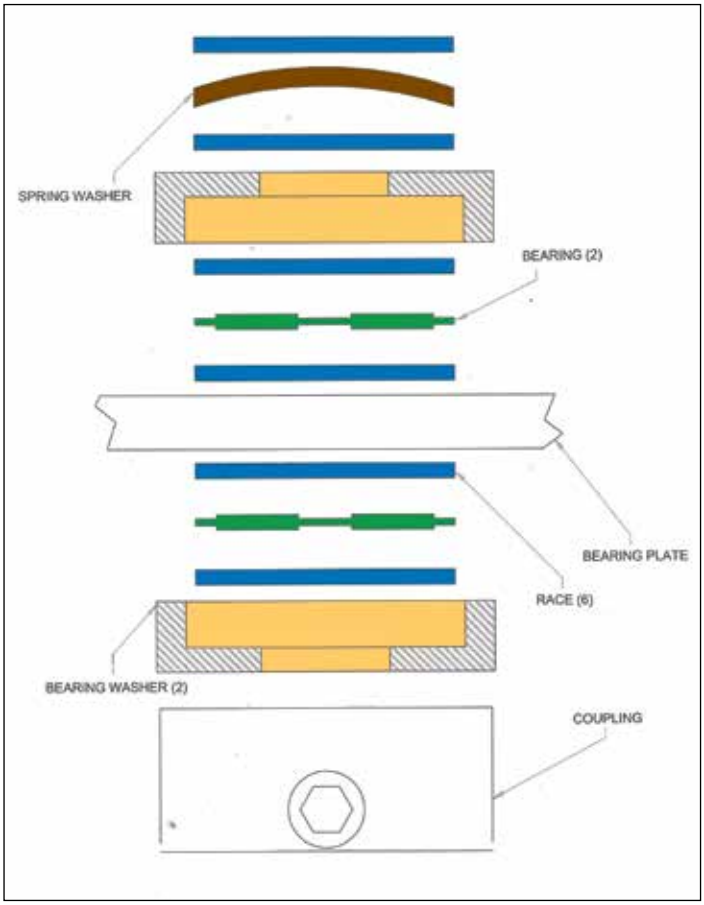
BiSlide™ Bearing Assembly Procedure

Assemble BiSlide Bearing with Pre-Load in the Field



This procedure shows how to replace and reassemble components of the BiSlide Bearing Assembly; and also how to reset the preload. Please note: the motor must be removed in order to accomplish. Two people are needed to set the preload.

Tools Required:

1) 7/64 allen wrench
2) 30IP torx plus wrench
3) 5/8 socket/or something to fit thru 1" hole in motor plate to contact ruland coupling.
4) Plate to put on coupling 3-4 inches
5) 50# weight(pre-load)

Assemble in vertical position to prevent lead screw/nut damage from unsupported motor. Hold motor/coupling when tightening coupling to prevent lead screw/nut damage.

Dissassemble:

1. Run the carriage roughly to the middle of the unit.
2. Remove the 4 torx plus screws holding the motor plate to end of base.
3. Without bending the lead screw, pull everything out of base.
4. Remove coupling with 7/64 allen wrench. Hold lead screw and motor plate and slowly pull apart. Be careful not to lose thrust bearings and bearing races inside the black cups.

Reassemble:

5. When it is off, slide new one on and you shouldn't lose the bearings.
6. On the edge of a table rest the edge of the carriage on the table with motor plate up (You will need 2 people). The lead screw will be facing you, dangling off table not touching the floor.

Setting the Preload:

7. Place 5/8 socket thru 1" hole in plate, put plate on top of socket to hold your 50# and tighten 4 allen screw in coupling nearest bearings.
8. Slide carriage back in base, install 4 torx plus screws you removed. Leave slightly loose.
9. Position carriage near motor end, tighten 4 torx plus screws.
10. Attach your motor to plate, then tighten 4 remaining allen screws in coupling nearest motor.

Velmex, Inc.
7550 State Routes 5 & 20
Bloomfield, NY 14469-9389

TF: 1.800.642.6446
P: +1.585.657.6151
F: +1.585.657.6153

www.velmex.com
info@velmex.com