

4.2.2 – THRUST BEARING ADJUSTMENT

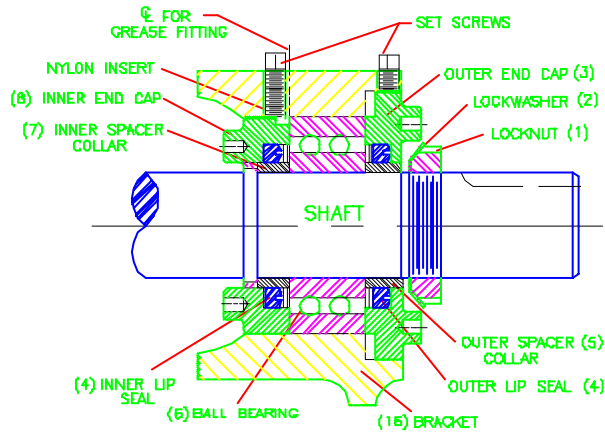


Figure 3

1. Loosen both setscrews over the outer and inner end caps. See figures 1 and 3.
2. Using a spanner wrench, turn inner end cap (8) clockwise, viewed from the motor end, until it projects from bracket (16), exposing approximately three threads.
3. Turn the outer end cap (3) clockwise, by hand, until rotor is tight against the pump head (26) and rotor/shaft (21) can not be turned.
4. Make a reference mark on the bracket end, opposite a notch on the outer end cap (3). Back off outer end cap (3) counterclockwise nine notches. Each notch represents 0.001 inch (0.0254mm) end clearance.
5. End clearances set per Step 4 are for Mokon recommended heat transfer fluids (see section 4.11) or other heat transfer fluids with similar viscosity characteristics within the operating range of 150°F to 600°F (38°C to 316°C).
6. Tighten inner end cap with a spanner wrench. Tap spanner wrench lightly but DO NOT OVERTIGHTEN as it will damage the threads.
7. Tighten both setscrews that hold inner and outer end caps.

CAUTION: THE SETSCREWS HAVE NYLON SEATS AND YOU MAY SENSE A FALSE SEATING. BE ASSURED THEY ARE TRULY SET.

8. Rotate the rotor/shaft slowly, by hand, one complete revolution. If the rotor/shaft does not turn smoothly, repeat steps 1 – 7.

