



Installation Instructions for Cycloidal Reducers

Preparation:

1. Dowel pinning the load to the Onvio reducer and the mounting structure is highly recommended to reduce the hysteresis lost motion.
2. Concentricity between pilots should be within .002" TIR
3. Flatness between mating components should be within .0005 TIR, and be free of burrs.
4. Orientation of grease ports should be considered to allow for ease of relubrication.

Installation:

1. Insert allen wrench into collet collar before sliding the motor shaft into the input shaft of the reducer. This will cause proper positioning of the collar to be tightened later.
2. Tighten flange bolts of the motor to the flange and to the reducer before tightening the collar. Use a cross pattern when tightening all bolts to minimize axial load on the input shaft.
3. Tighten collar according to recommended torque specs.
4. The load coupling can be trued up, match machined, and pinned with the output shaft to minimize position error.

