

## Air Bearing Motor



**18-1A10** *Replaces OEM# 3N1999*  
**18-1A30**



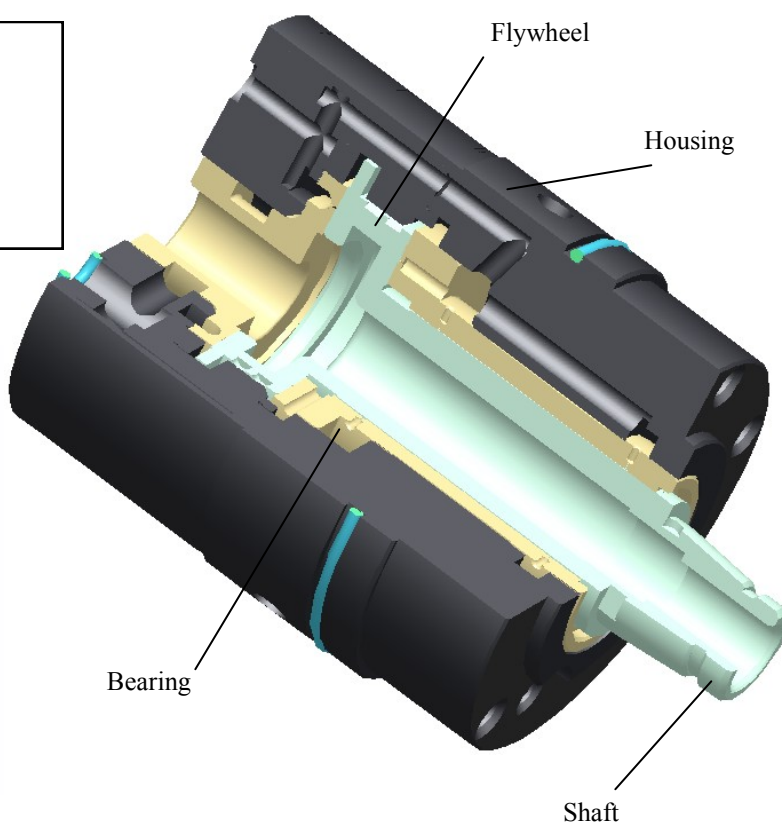
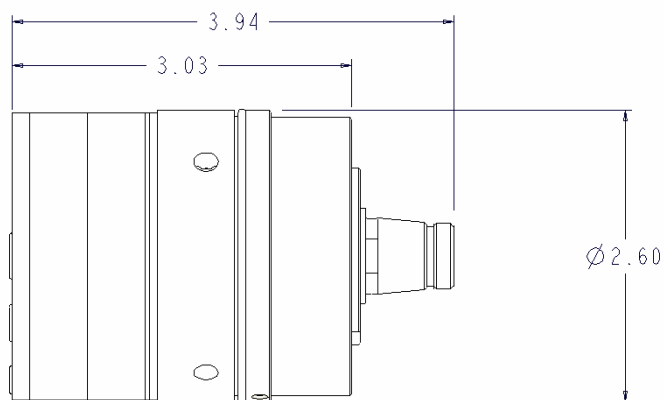
The motor is of the orifice bearing type that allows the shaft/flywheel/bell cup assembly to “float” frictionless on a thin film of air. Drive air (DA), brake air (BR), turbine exhaust (EX) as well as the bearing air (BE) are supplied to the motor assembly via the back plate.

All air supplied to the motor should be clean, dry and filtered to 5 micron. It is recommended that Teflon® tape not be used on any of the fittings leading to the back plate, because of possible bearing air contamination.

**Bearing Air** at 90 psi minimum must be supplied at all times during motor operation. It is not advisable to rotate the shaft of the motor assembly by hand

### Physical Characteristics

**Over Dimensions:** See Diagram Below  
**Weight:** 1.5 lbs  
**Materials:** Aircraft Grade Aluminum  
Stainless Steel  
Carbon Orifice Bearings  
Chemically Resistant O-rings



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