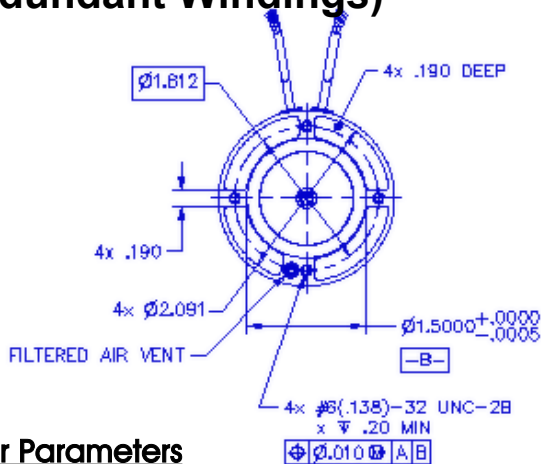


1.8 Degree Hybrid Stepper Motor (Redundant Windings)



Motor Parameters (Bipolar Driven)

Km (in-oz \sqrt watts)	22.8
Running Torque (in-oz)	36 in-oz min @22.5 volts @8 pps (nominal)
Running Torque Constant	100 in-oz/amp minimum
Holding Torque (in-oz)	60 in-oz @22.5 volts (nominal)
Holding Torque Constant	180 in-oz/amp (nominal)
Detent Torque (in-oz)	8-12 in-oz nominal
Phase Resistance (ohms)	62 ohms (nominal)
Phase Inductance	70 mH (nominal)
Power (watts)	8 watts nominal

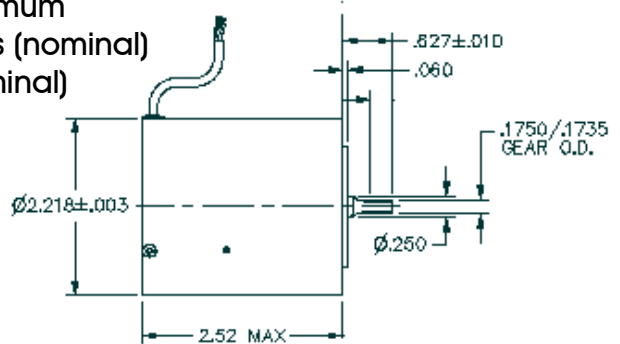
Motor/Gearhead Parameters

4:1 Gearhead

Running Torque	140 in-oz nominal @ 22.5 volts @ 8 pps
Running Torque Constant	380 in-oz/amp nominal

10:1 Gearhead

Running Torque	345 in-oz nominal @22.5 volts @ 8 pps
Running Torque Constant	950 in-oz/amp nominal



Features

- Space Qualified
- Available with pinion for gearhead applications
- Ceramic or steel ball bearing options are available
- Dry or wet lubrication options are available
- All materials are compliant with NASA outgassing requirements
- Customized drive and control electronics are available

Motion Control Systems Division

350 Kennedy Drive
Hauppauge, NY 11788
Phone: (631) 231-9100
E-Mail sales-motion@aeroflex.com

