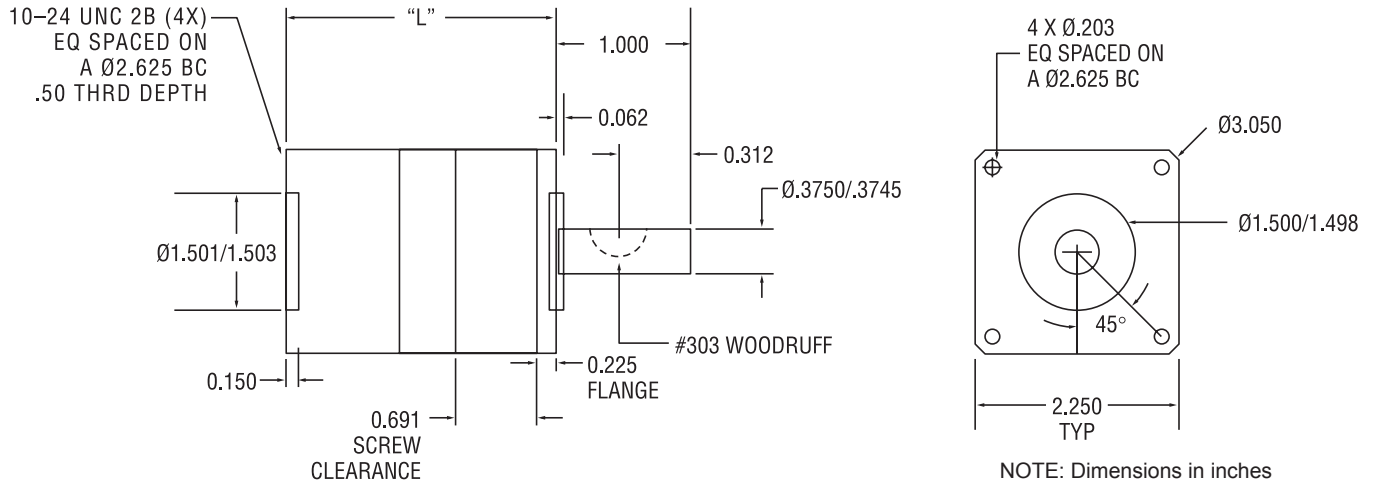


DIMENSION "L"

Single Stage (4:1 to 10:1) = 2.436 ± .015

Double Stage (16:1 to 100:1) = 3.029 ± .015



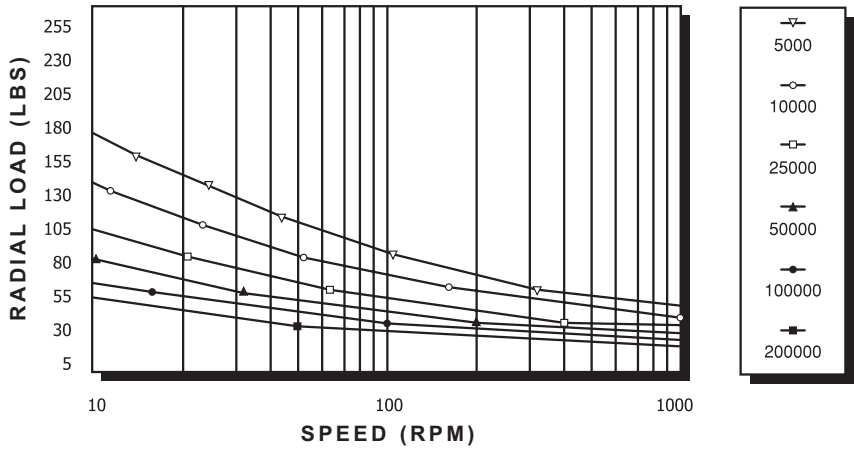
| Part # | Ratio | Continuous output torque at 1500 rpm input (in-lbs) | Continuous output torque at 3500 rpm input (in-lbs) | Continuous output torque at 5000 rpm input (in-lbs) | Gearhead inertia at input (lb-in-sec ²) |
|---------------------|-------|---|---|---|---|
| Single Stage | | | | | |
| GH23SP004 | 4:1 | 185 | 133 | 109 | 4.19 x 10 ⁻⁵ |
| GH23SP007 | 7:1 | 155 | 126 | 110 | 1.54 x 10 ⁻⁵ |
| GH23SP010 | 10:1 | 125 | 107 | 97 | 1.08 x 10 ⁻⁵ |
| Double Stage | | | | | |
| GH23SP016 | 16:1 | 214 | 190 | 175 | 4.26 x 10 ⁻⁵ |
| GH23SP028 | 28:1 | 223 | 208 | 197 | 1.57 x 10 ⁻⁵ |
| GH23SP049 | 49:1 | 164 | 158 | 154 | 1.52 x 10 ⁻⁵ |
| GH23SP070 | 70:1 | 166 | 161 | 158 | 1.06 x 10 ⁻⁵ |
| GH23SP100 | 100:1 | 126 | 124 | 122 | 1.06 x 10 ⁻⁵ |

General Specifications

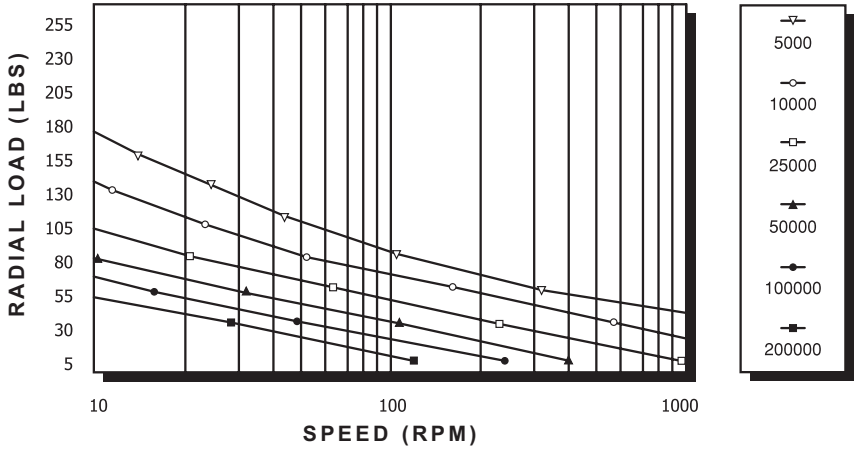
| Construction Type | Ratio | Standard Backlash (arc-minutes) | Low Backlash (arc-minutes) | Efficiency | Weight (lbs) | Maximum Tested Input rpm |
|-------------------|---------------|---------------------------------|----------------------------|------------|--------------|--------------------------|
| Single Stage | 4:1 to 10:1 | 12 | 6 | 95% | 1.55 | 5000 |
| Double Stage | 16:1 to 100:1 | 16 | 10 | 90% | 1.95 | 5000 |

PEAK TORQUE: 15% above continuous rating. **NOTE:** Repeated peak torque loading may cause failure.

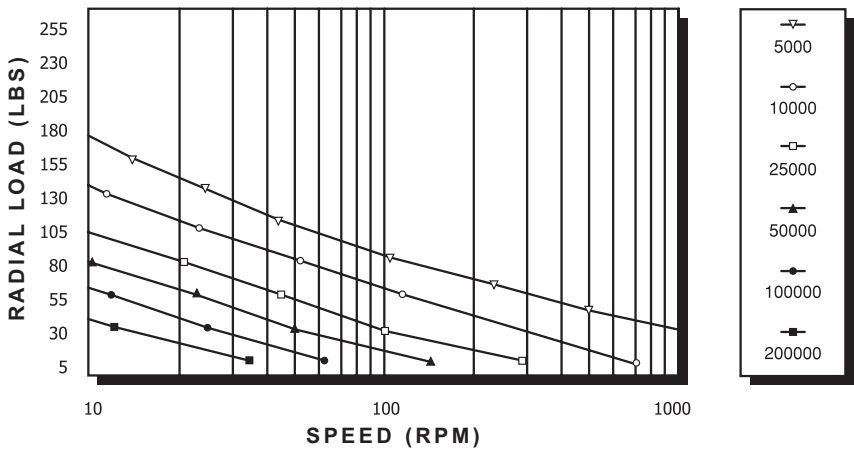
AXIAL LOAD: 0 LBS.



AXIAL LOAD: 25 LBS.



AXIAL LOAD: 75 LBS.



SPEED (RPM) refers to the gearheads output shaft speed.

LIFE (HRS) = (# of lifetime revolutions) ÷ (60 x rpm)

F_{RADIAL} is calculated at 1/2 the shaft length.

