



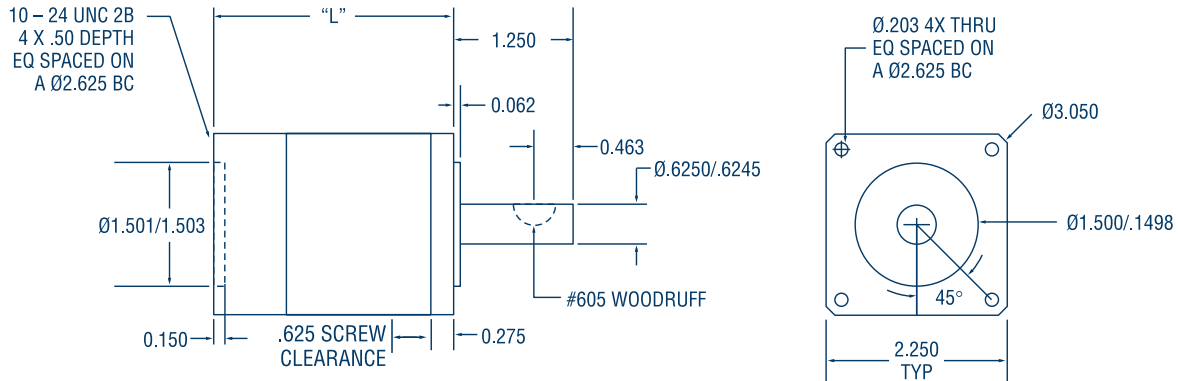
23EP

SPECIFICATIONS

DIMENSION "L"

Single Stage (3:1 to 10:1) = 3.146± .015

Double Stage (16:1 to 100:1) = 4.249 ± .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	23EP003	3:1	442	292	232	1.22 x 10 ⁻⁴
	23EP004	4:1	410	294	242	5.24 x 10 ⁻⁵
	23EP005	5.5:1	373	288	247	2.65 x 10 ⁻⁵
	23EP007	7:1	344	279	245	1.93 x 10 ⁻⁵
	23EP010	10:1	277	238	215	1.35 x 10 ⁻⁵
DOUBLE STAGE	23EP016	16:1	521	463	427	5.32 x 10 ⁻⁵
	23EP022	22:1	536	490	460	2.70 x 10 ⁻⁵
	23EP028	28:1	545	506	481	1.96 x 10 ⁻⁵
	23EP040	40:1	553	525	506	1.36 x 10 ⁻⁵
	23EP049	49:1	400	385	375	1.90 x 10 ⁻⁵
	23EP055	55:1	460	443	432	1.34 x 10 ⁻⁵
	23EP070	70:1	404	393	385	1.33 x 10 ⁻⁵
	23EP100	100:1	308	303	298	1.33 x 10 ⁻⁵

GENERAL SPECIFICATIONS

Construction Type	Ratio	Backlash: Standard (arc-minutes)	Backlash: Low Backlash (arc-minutes)	Efficiency	Weight (lbs)	Maximum Tested Input rpm
Single Stage	3:1 to 10:1	6	3	90%	2.29	5000
Double Stage	16:1 to 100:1	10	7	85%	3.42	5000

PEAK TORQUE: 15% above continuous rating.

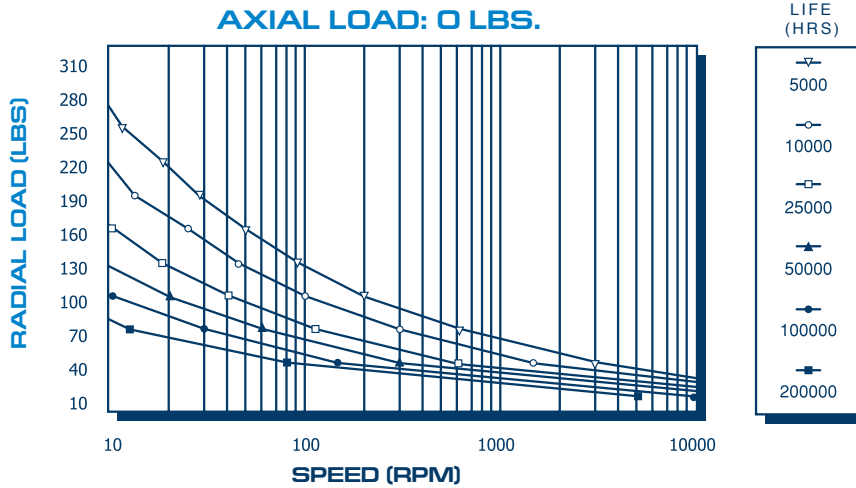
NOTE: Repeated peak torque loading may cause failure.



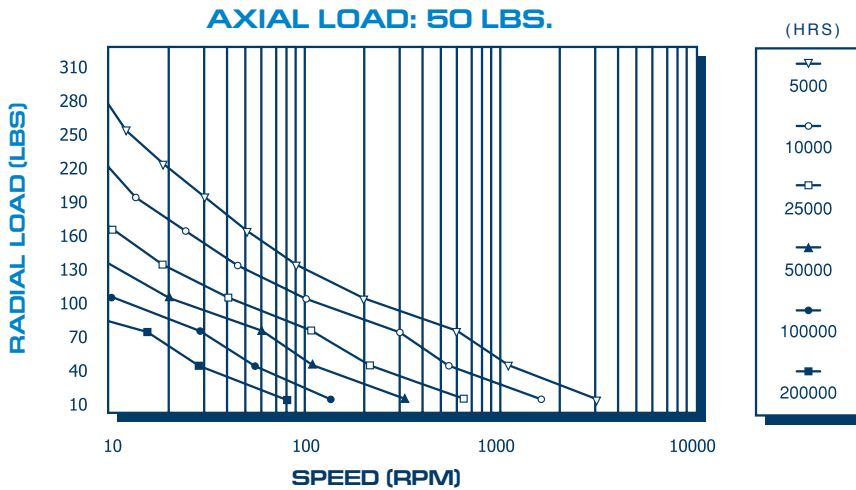
23EP

BEARING LIFE VS SHAFT LOAD

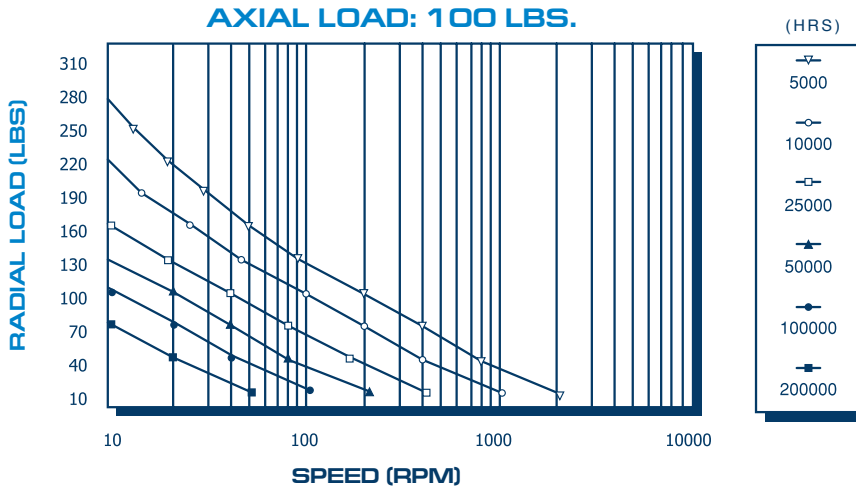
AXIAL LOAD: 0 LBS.



AXIAL LOAD: 50 LBS.



AXIAL LOAD: 100 LBS.



SPEED (RPM)

Refers to the gearheads output shaft speed.

LIFE (HRS)

of lifetime revolutions ÷ (60 x rpm)

F^{RADIAL}

Calculated at 1/2 the shaft length.

