

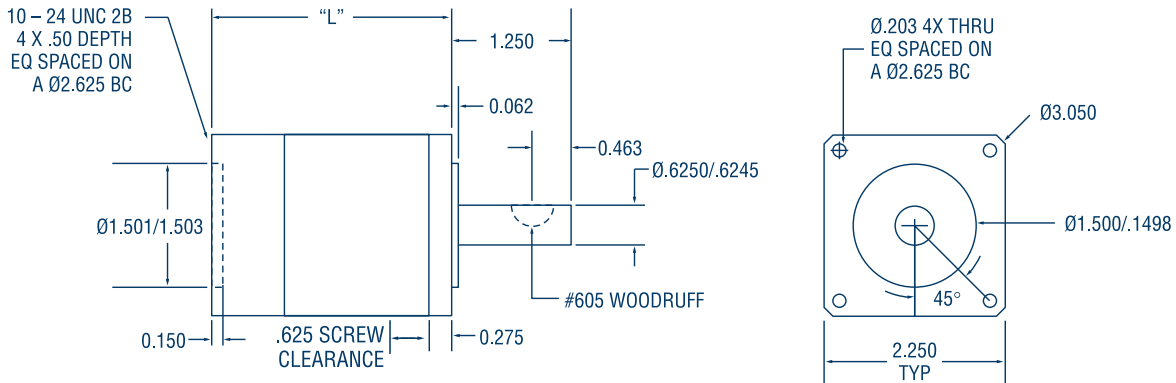


# SIZE 23 ELIMINATOR PLANETARY

## DIMENSION "L"

Single Stage (3:1 to 10:1) =  $3.146 \pm .015$

Double Stage (16:1 to 100:1) =  $4.249 \pm .015$



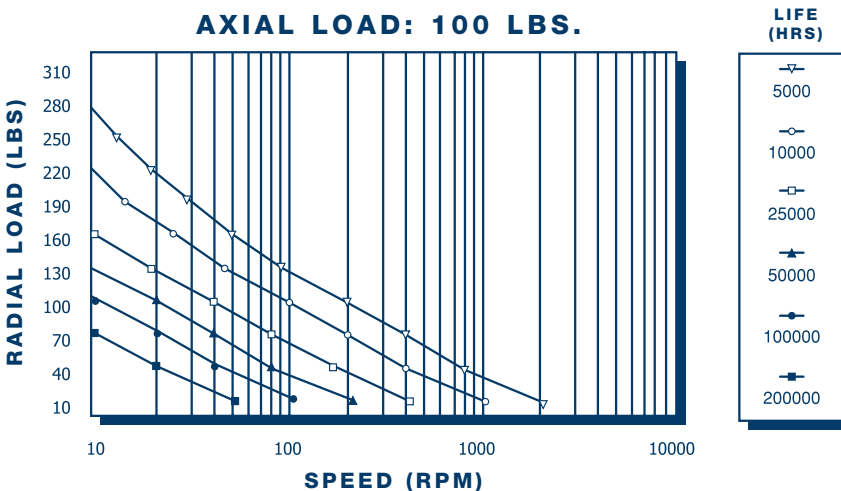
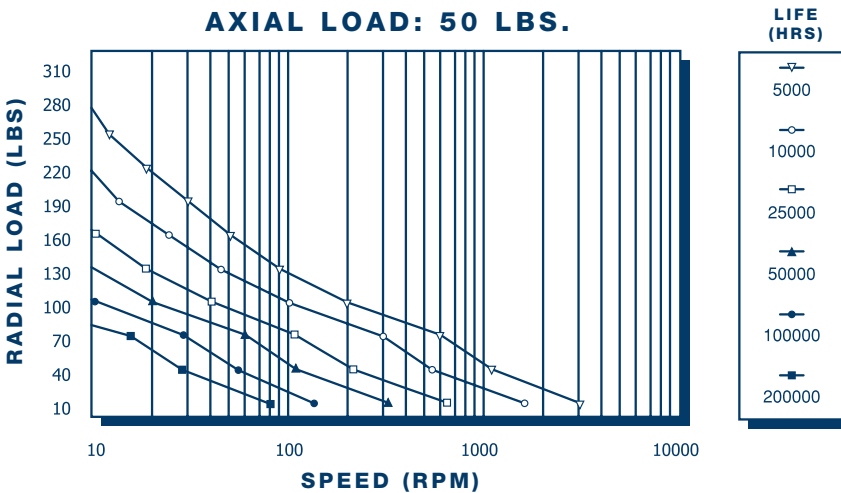
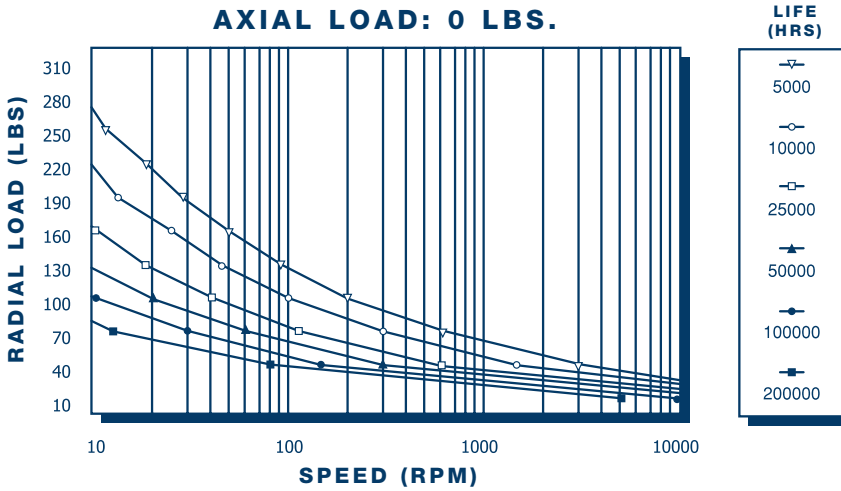
Part #	Ratio	Continuous output torque at 1500 rpm input (in-lbs)	Continuous output torque at 3500 rpm input (in-lbs)	Continuous output torque at 5000 rpm input (in-lbs)	Gearhead inertia at input (lb-in-sec <sup>2</sup> )	
SINGLE STAGE	23EP003	3:1	442	292	232	$1.22 \times 10^{-4}$
	23EP004	4:1	410	294	242	$5.24 \times 10^{-5}$
	23EP005	5.5:1	373	288	247	$2.65 \times 10^{-5}$
	23EP007	7:1	344	279	245	$1.93 \times 10^{-5}$
	23EP010	10:1	277	238	215	$1.35 \times 10^{-5}$
DOUBLE STAGE	23EP016	16:1	521	463	427	$5.32 \times 10^{-5}$
	23EP022	22:1	536	490	460	$2.70 \times 10^{-5}$
	23EP028	28:1	545	506	481	$1.96 \times 10^{-5}$
	23EP040	40:1	553	525	506	$1.36 \times 10^{-5}$
	23EP049	49:1	400	385	375	$1.90 \times 10^{-5}$
	23EP055	55:1	460	443	432	$1.34 \times 10^{-5}$
	23EP070	70:1	404	393	385	$1.33 \times 10^{-5}$
	23EP100	100:1	308	303	298	$1.33 \times 10^{-5}$

## 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.

# SIZE 23 EP BEARING LIFE VS. SHAFT LOAD



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

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

**F<sub>RADIAL</sub>** is calculated at 1/2 the shaft length.

