

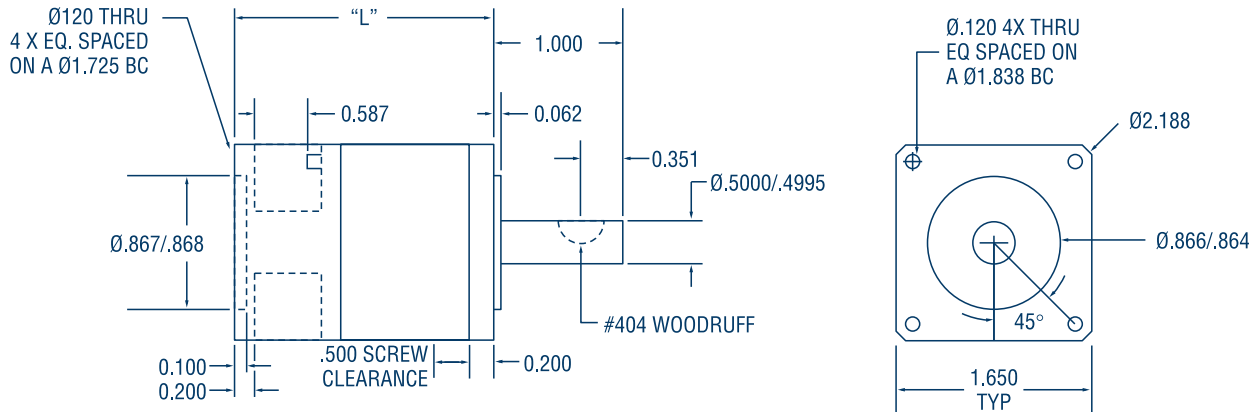


SIZE 17 ELIMINATOR PLANETARY

DIMENSION "L"

Single Stage (3:1 to 10:1) = 2.869 ± .015

Double Stage (16:1 to 100:1) = 3.738 ± .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	17EP003	3:1	197	140	115	3.25 x 10 ⁻⁵
	17EP004	4:1	177	136	116	1.60 x 10 ⁻⁵
	17EP005	5.5:1	157	129	113	1.10 x 10 ⁻⁵
	17EP007	7:1	143	122	110	9.56 x 10 ⁻⁶
	17EP010	10:1	113	101	93	8.36 x 10 ⁻⁶
DOUBLE STAGE	17EP016	16:1	211	194	182	1.59 x 10 ⁻⁵
	17EP022	22:1	216	201	193	1.10 x 10 ⁻⁶
	17EP028	28:1	218	207	199	9.54 x 10 ⁻⁶
	17EP040	40:1	220	212	207	8.35 x 10 ⁻⁶
	17EP049	49:1	158	154	152	9.44 x 10 ⁻⁶
	17EP055	55:1	183	177	175	8.31 x 10 ⁻⁶
	17EP070	70:1	160	156	154	8.30 x 10 ⁻⁶
	17EP100	100:1	122	120	119	8.29 x 10 ⁻⁶

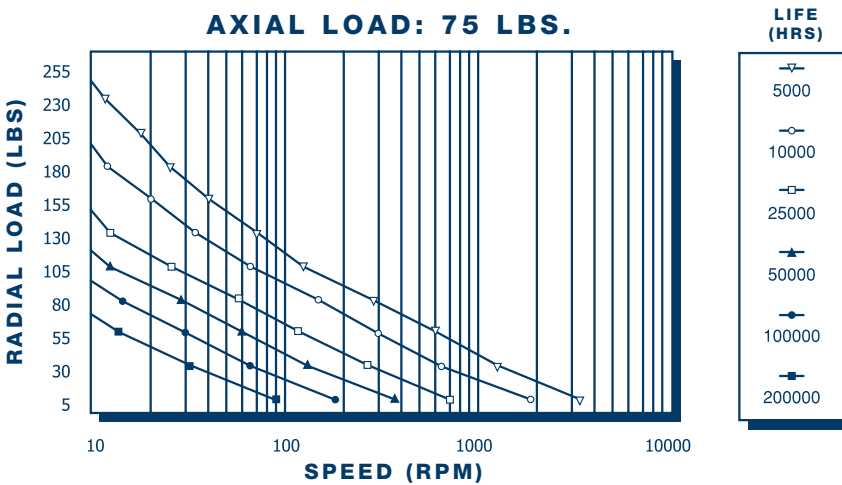
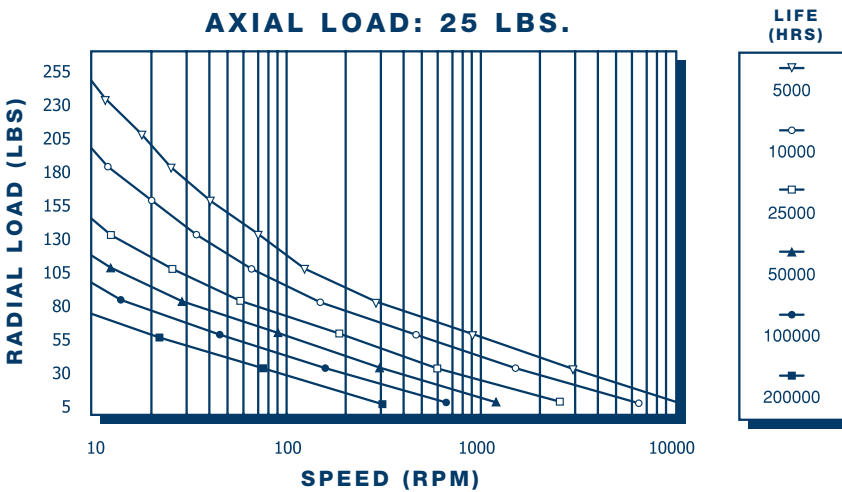
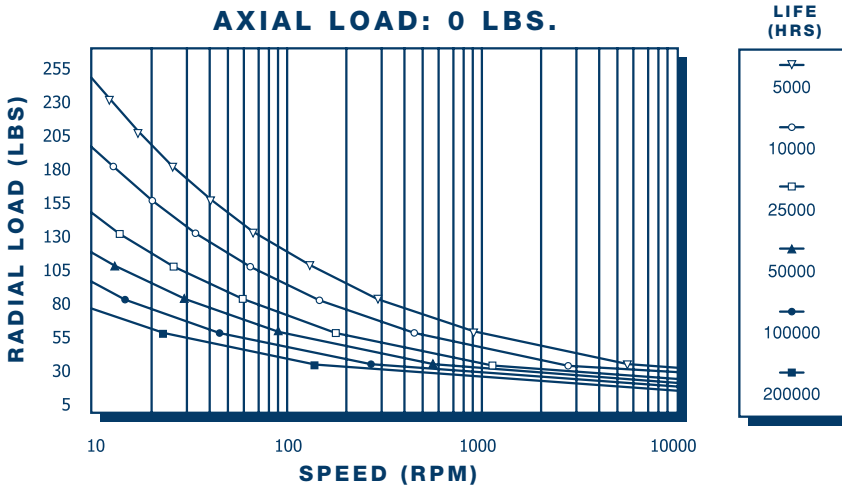
GENERAL SPECIFICATIONS

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%	1.14	5000
Double Stage	16:1 to 100:1	10	7	85%	1.62	5000

PEAK TORQUE: 15% above continuous rating.

NOTE: Repeated peak torque loading may cause failure.

SIZE 17 EP BEARING LIFE VS. SHAFT LOAD



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.

