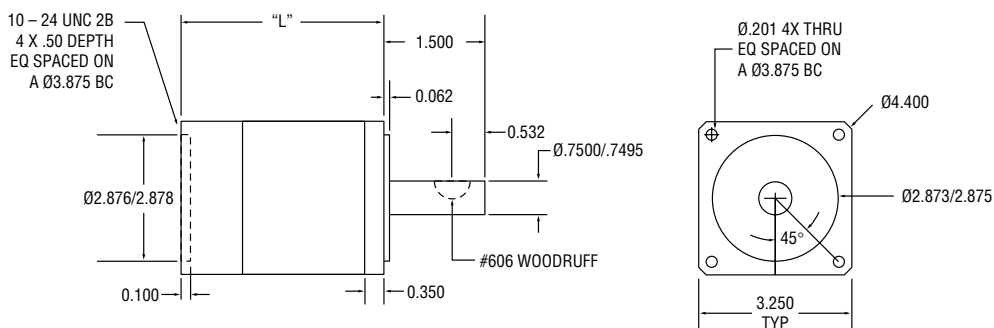




SIZE 34

"E" SERIES PLANETARY GEARHEAD

Single Stage "L" 4.063 ± .015
Double Stage "L" 5.431 ± .015



	GEARHEAD P/N	GEAR RATIO	BACKLASH (MINUTES)	MAXIMUM RATED CONTINUOUS OUTPUT TORQUE 1500 rpm (LBS. IN.)	MAXIMUM RATED CONTINUOUS OUTPUT TORQUE 3500 rpm (LBS. IN.)	MAXIMUM RATED CONTINUOUS OUTPUT TORQUE 5000 rpm (LBS. IN.)	GEARHEAD INERTIA AT INPUT (LB-IN-SEC ²)
SINGLE STAGE	E34003	3:1	6	1010	615	475	6.77 X 10 ⁻⁴
	E34004	4:1	6	972	643	513	2.77 X 10 ⁻⁴
	E34005.5	5.5:1	6	913	657	543	1.51 X 10 ⁻⁴
	E34007	7:1	6	859	653	554	1.11 X 10 ⁻⁴
	E34010	10:1	6	707	575	505	7.90 X 10 ⁻⁵
DOUBLE STAGE	E34016	16:1	10	1350	1145	1027	2.86 X 10 ⁻⁴
	E34022	22:1	10	1401	1234	1133	1.55 X 10 ⁻⁴
	E34028	28:1	10	1432	1293	1203	1.14 X 10 ⁻⁴
	E34040	40:1	10	1469	1362	1293	8.04 X 10 ⁻⁵
	E34049	49:1	10	1067	1010	971	1.11 X 10 ⁻⁴
	E34055	55:1	10	1228	1165	1123	7.94 X 10 ⁻⁵
	E34070	70:1	10	1081	1040	1010	7.90 X 10 ⁻⁵
	E34100	100:1	10	827	805	790	7.87 X 10 ⁻⁵

GENERAL SPECIFICATIONS

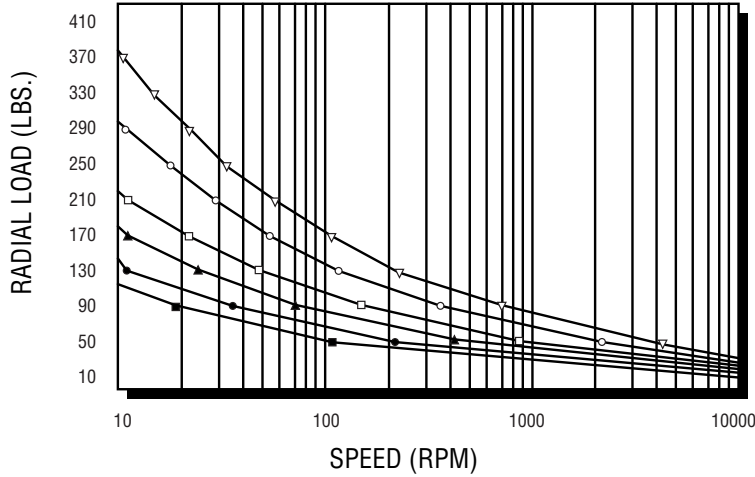
peak torque rating is 15% above continuous rated torque

Construction Type	Ratio	Efficiency	Weight	Low Backlash Option	Maximum Input (rpm)
Planetary – Single Stage	3:1 to 10:1	90%	5.94 lbs.	3 arc minutes	5,000 rpm
Planetary – Double Stage	16:1 to 100:1	85%	9.68 lbs.	7 arc minutes	5,000 rpm

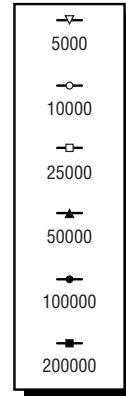


SIZE 34 "E" SERIES BEARING LIFE VS. SHAFT LOAD

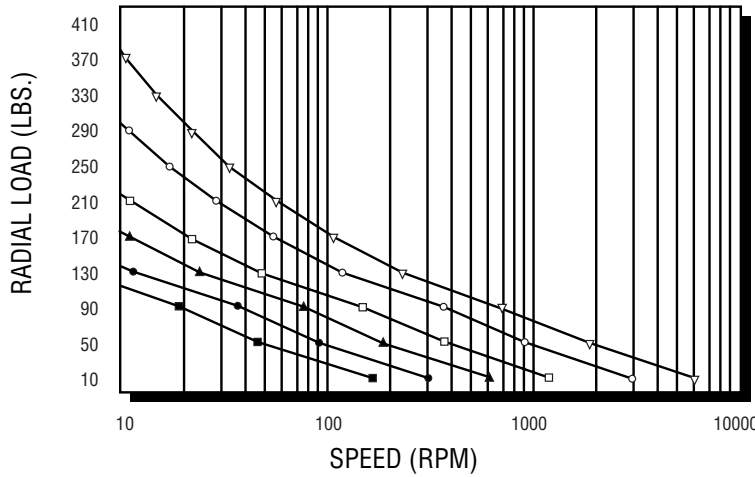
AXIAL LOAD: 0 LBS.



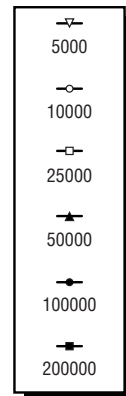
LIFE (HRS)



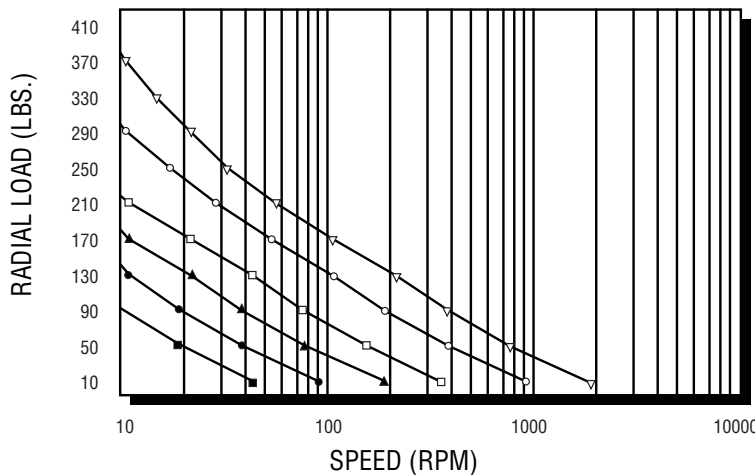
AXIAL LOAD: 50 LBS.



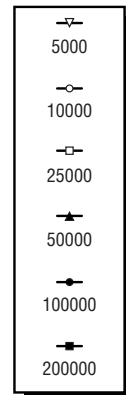
LIFE (HRS)



AXIAL LOAD: 150 LBS.



LIFE (HRS)



Speed (rpm) refers to the gearheads output shaft speed.

Life (hrs) = (# of lifetime revolutions) ÷ (60 x rpm).

F_{radial} is calculated at one half the shaft length.

