



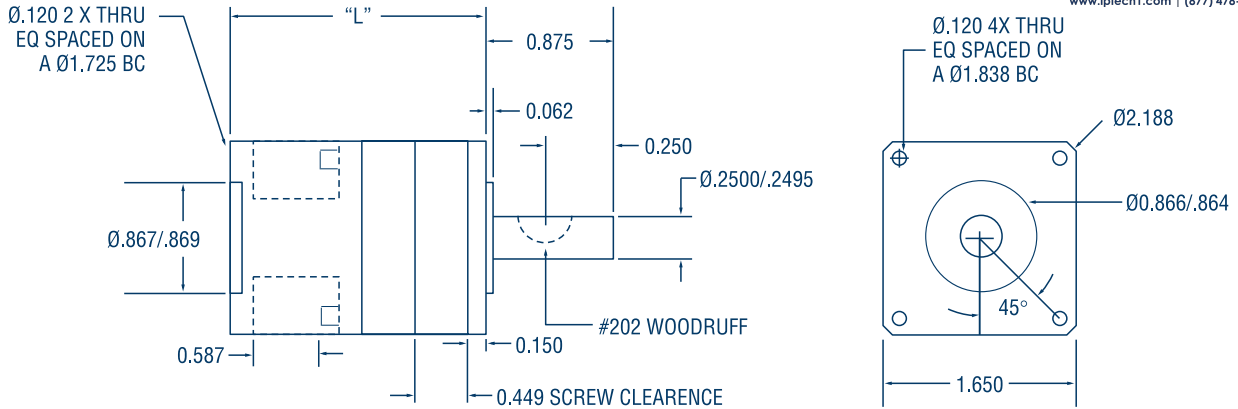
**17SP**

**SPECIFICATIONS**

**In-Position Technologies**

www.iptech1.com | (877) 478-3241 | help@iptech1.com

**DIMENSION “L”**  
Single Stage (4:1 to 10:1) = 2.17 ± .015  
Double Stage (16:1 to 100:1) = 2.78 ± .015



SINGLE STAGE

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> )
17SP004	4:1	75	57	49	1.28 x 10 <sup>-5</sup>
17SP007	7:1	60	51	46	7.65 x 10 <sup>-6</sup>
17SP010	10:1	48	43	39	6.69 x 10 <sup>-6</sup>

DOUBLE STAGE

17SP016	16:1	81	74	70	1.27 x 10 <sup>-5</sup>
17SP028	28:1	83	79	76	7.63 x 10 <sup>-6</sup>
17SP049	49:1	61	59	58	7.55 x 10 <sup>-6</sup>
17SP070	70:1	61	60	59	6.64 x 10 <sup>-6</sup>
17SP100	100:1	47	46	46	6.63 x 10 <sup>-6</sup>

**GENERAL SPECIFICATIONS**

Construction Type	Ratio	Backlash: Standard (arc-minutes)	Backlash: 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.

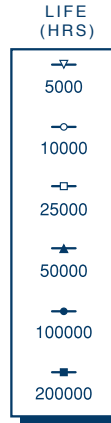
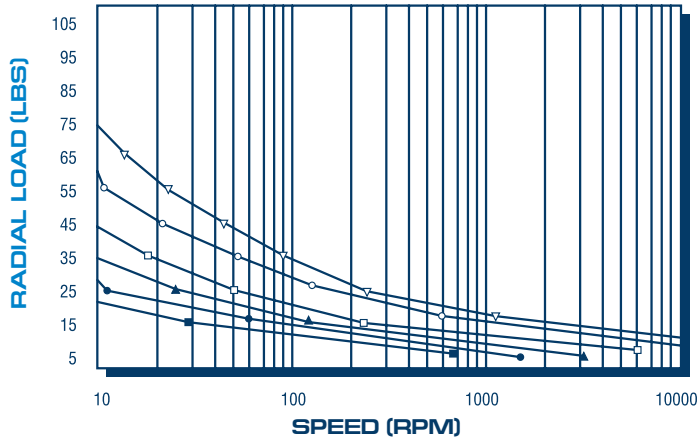
**NOTE:** Repeated peak torque loading may cause failure.



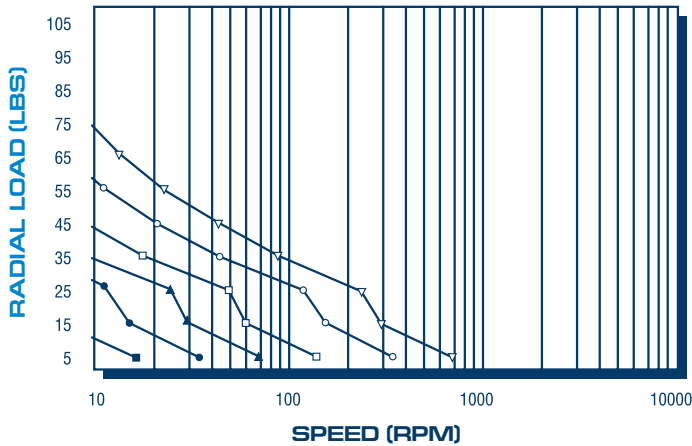
**17SP**

**BEARING LIFE VS SHAFT LOAD**

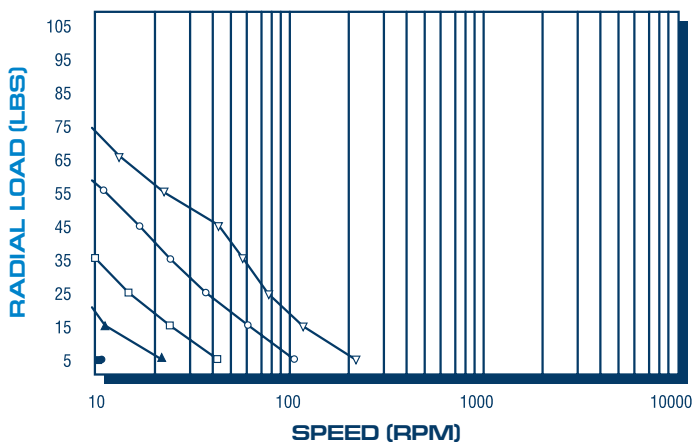
**AXIAL LOAD: 0 LBS.**



**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<sup>RADIAL</sup>**

Calculated at 1/2 the shaft length.

