“S” SERIES PLANETARY GEARHEAD

Single Stage “L” 2.174 ± .015
Double Stage “L” 2.782 ± .015

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### GENERAL SPECIFICATIONS

peak torque rating is 15% above continuous rated torque

<table>
<thead>
<tr>
<th>Construction Type</th>
<th>Ratio</th>
<th>Efficiency</th>
<th>Weight</th>
<th>Low Backlash Option</th>
<th>Maximum Input (rpm)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Planetary – Single Stage</td>
<td>4:1 to 10:1</td>
<td>90%</td>
<td>.95 lbs.</td>
<td>6 arc minutes</td>
<td>5,000 rpm</td>
</tr>
<tr>
<td>Planetary – Double Stage</td>
<td>16:1 to 100:1</td>
<td>85%</td>
<td>1.50 lbs.</td>
<td>10 arc minutes</td>
<td>5,000 rpm</td>
</tr>
</tbody>
</table>
SIZE 17 “S” SERIES BEARING LIFE VS. SHAFT LOAD

**AXIAL LOAD: 0 LBS.**

![Graph showing life versus speed for no axial load.]

**AXIAL LOAD: 25 LBS.**

![Graph showing life versus speed for 25 lbs axial load.]

**AXIAL LOAD: 75 LBS.**

![Graph showing life versus speed for 75 lbs axial load.]

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

**Life (hrs) = (# of lifetime revolutions) \( \div (60 \times \text{rpm}) \).**

**\( F_{\text{radial}} \) is calculated at one half the shaft length.**