



| Ratio | **** | * | * | * | * | * |
|--|-----------|-----------|-----------|-----------|-----------|-----------|
| 1 Number of gear stages | 1 | 2 | 3 | 4 | 5 | 6 |
| 2 Direction of rotation | = | = | = | = | = | = |
| 3 Efficiency | 0.9 | 0.8 | 0.7 | 0.65 | 0.6 | 0.5 |
| 4 L1 (mm) | 9 | 12.5 | 16 | 19.5 | 23 | 26.5 |
| 5 Weight g (oz) | 3 (0.105) | 4 (0.141) | 5 (0.176) | 6 (0.211) | 7 (0.246) | 8 (0.282) |
| 6 Available with Motor - L2 = Length with motor (mm) | | | | | | |
| 08GS61.....7 | 25.6 | 29.1 | 32.6 | 36.1 | 39.6 | 43.1 |
| 08G61.....5 | 28.6 | 32.1 | 35.6 | 39.1 | 42.6 | 46.1 |
| P010.....02 | 25.4 | 28.9 | 32.4 | 35.9 | 39.4 | 42.9 |
| 10NS 61.....3 | 27 | 30.5 | 34 | 37.5 | 41 | 44.5 |
| 12G88.....1 | 37.2 | 40.7 | 44.2 | 47.7 | 51.2 | 54.7 |

* Ratio available upon request. Please contact us.

| Characteristics | R10 • 200 • | |
|---|------------------|--------------------------|
| 7 Shaft Bearings | Sleeve | |
| 8 Maximum Static Torque | Nm (oz-in) | 0.15 (21.2) |
| 9 Maximum Radial Force @ 8mm from mounting face | N (lb) | 2 (0.45) |
| 10 Maximum Axial force | N (lb) | 5 (1.125) |
| 11 Maximum press fit force | N (lb) | 10 (2.25) |
| 12 Average Backlash @ no-load | 1° | |
| 13 Average Backlash @ 3 Nm | 3° | |
| Shaft play: | | |
| 14 -radial | µm | ≤ 50 |
| 15 -axial | µm | 50-150 |
| 16 Maximum Recommended Input speed | rpm | 5,000 |
| 17 Operating Temperature Range: | °C (°F) | -30 to +65 (-22 to +150) |

Motor + gearbox = L2

