

LCB Series Compact Rodless Actuators

www.parker.com/em/lcb

The LCB Series of linear actuators incorporates a low-friction, dry running, sliding bearing carriage that provides long and reliable travel life even at 100% duty cycle. The low mass of the carriage and steel-reinforced timing belt design allows for very high accelerations and velocity. Combined with Parker motors and controls, the LCB offers a fully programmable, high-performance solution at a great value.



| Series | LCB040 | LCB060 |
|--|---------------|---------------|
| Max Load, N (lbf) | 60 (13) | 295 (66) |
| Max Velocity, m/sec (in/sec) | 8.0 (315) | 8.0 (315) |
| Rated acceleration (g's)* | 20 (787) | 20 (787) |
| Max travel m (in)* | 2.0 (78) | 5.5 (216) |
| Bi-directional repeatability (mm) | ±0.2 (±0.008) | ±0.2 (±0.008) |

*Application dependant, consult catalog for specifications

LR Series Linear Roller Systems

www.parker.com/em/lr

Linear Roller Series products from Parker IPS provide a high level load-bearing strength, and flexibility in a modular, low-cost package. These products utilize standard components and can adapt to a wide range of applications.

- Carriage loads to 2,597 lb
- Custom carriage options
- Speeds up to 5 m/sec
- Easy mounting to AC motors
- Stroke lengths over 6 m
- Instant motor/gearbox approval



| Series | LR 6 | LR 14 | LR 14HD | LR 25 |
|--|-----------|-------------|-------------|----------------|
| Maximum carriage load N (lbf) | 649 (146) | 2,669 (600) | 3,350 (753) | 11,552 (2,597) |
| Pulley diameter (mm): reversing unit 40 | 47.75 | 47.75 | 47.75 | 47.75 |
| Pulley diameter (mm): reversing unit 80 | 89.12 | 89.12 | 89.12 | 89.12 |
| Pulley lead (mm/rev): reversing unit 40 | 150 | 150 | 150 | 150 |
| Pulley lead (mm/rev): reversing Unit 80 | 280 | 280 | 280 | 280 |
| Maximum travel without splice (mm)* | 5900 | 5850 | 5840 | 5680 |
| Minimum travel (mm) | 300 | 250 | 240 | 80 |
| Maximum drive torque (Nm): reversing unit 40 | 20 | 20 | 20 | 20 |
| Maximum drive torque (Nm): reversing unit 80 | 37 | 37 | 37 | 37 |
| Maximum belt traction (lb/belt) | 575 | 575 | 575 | 575 |
| Maximum number of belts | 1 | 4 | 4 | 4 |
| Maximum speed (m/s) | 5 | 5 | 5 | 5 |
| Maximum acceleration at no load (m/s²) | 10 | 10 | 10 | 10 |
| Repeatability (mm) | ±0.2 | ±0.2 | ±0.2 | ±0.2 |

*Consult factory for long travel lengths

