

Linear Actuators



HLE - Z150

www.parker.com/em/hlez



The HLE-Z provides high performance positioning over extremely long travels, up to 50 m. The system is based on Parker's HLE150 and is driven by rack and pinion. This system yields the repeatability and dynamics of a short looped belt over very long travels where traditional belt designs will not work. The design also allows for independent, multiple carriages to operate within the same rail.

- Velocities to 5 m/s
- Accelerations to 10 m/s²
- Travels exceeding 50 m
- 1,000 N of thrust
- ±0.05 mm repeatability
- Low maintenance
- Multiple independent carriages possible

HZR

www.parker.com/em/hzr



The HZR Series is a rugged vertical axis unit unique to the high-speed automation industry. It is specifically designed as a vertical axis to meet the mechanical requirements of high throughput lifting and transporting of heavy or bulky loads. Typical applications include material handling and palletizing. The HZR is an integral part of Parker's Large Area Gantry Systems on page 34.

- Available in 3 sizes
- Payloads to 150 Kg
- High accelerations
- Optional fail-safe brake
- Up to 2 m of travel
- HPLA/HLE compatible

| Series | HZR50 | HZR80 | HZR100 |
|--------------------|-------|-------|--------|
| Payload (Kg) | 45 | 75 | 150 |
| Max thrust (N) | 1,654 | 2,822 | 4,410 |
| Max velocity (m/s) | 5 | 5 | 5 |
| Rated accel (g's) | 0.5 | 1 | 1 |
| Max travel (m) | 1.5 | 1.5 | 2.0 |
| Repeatability (mm) | ±0.2 | ±0.2 | ±0.2 |

