

Linear Servo Actuator Cylinder

This linear servo actuator cylinder is designed for precise linear motion and force control. It delivers exceptional frequency response and stability for accurate positioning.



Product Overview

High-Precision Hydrostatic Actuation

The Linear Servo Actuator Cylinder is engineered for demanding testing environments where high accuracy in control and measurement is essential. Utilizing a specialized hydrostatic bearing system, the actuator eliminates sealing gaskets and ensures constant alignment between the piston rod and cylinder housing. By maintaining a pressurized oil film between all sliding surfaces, it effectively eliminates friction and wear, even under lateral force.

Technical Features

Bearing System	Hydrostatic bearing unit with self-regulating piston rod
Friction Management	Yes
Key Advantages	No sealing gaskets, Zero friction, Wear-free operation, High-accuracy control, Constant alignment

Application Suitability

Primary Applications

- Material testing
- Friction pair analysis
- High-precision control tasks
- Measurement-critical applications