

Nexen's linear motion control products deliver pinpoint precision and high-performance with no backlash. They're designed for exceptional reliability, little maintenance and long life. You get precisely what you need with this innovative line:

# Precision in motion.



## **Roller Pinion System.**

Patented, segmented rack and roller pinion design maintains repeatable accuracy over longer distances with quieter operation -- even at higher speeds.



## **Linear Profile Guide Rail Brakes.**

Compact and powerful brakes deliver precision holding and locking at an affordable price. Compatible with most profile guide rails and carriages.



## **Rod Locking Devices.**

Precision holding with guide rod systems and NFPA or ISO cylinders. Large clamp-to-rod surface area in a compact size.



## **Servo Motor Brakes.**

Powerful, high-torque, no-slip holding force. Installed between the servo motor and linear device. Power-off, spring-engaged brakes provide improved safety with low inertia.

With over 50 years of innovation, reliability and exceptional service, Nexen delivers solutions to your needs. To learn more about our linear motion control products, contact your nearest Nexen distributor, or visit [www.nexengroup.com](http://www.nexengroup.com).

Take it to the Nexen level.

**nexen.**

### Roller Pinion System



- Zero backlash
- 99% efficient
- High precision
- No cumulative error
- High speed operation: 660 m/min (36 ft/sec)

- Unlimited length possible
- Minimal noise
- Easy system integration
- Low maintenance
- Virtually no wear

### Precision Guide Rail Brake



- High clamping force
- Low backlash
- Spring-engaged, air-released
- Holds in all axes
- Emergency stopping and holding

- Brake geometry matches rail system
- Release pressure: 5.5 bar [80 psi]
- Models to fit most guide rail systems
- No wearing parts to fail or replace

### Pneumatic Cylinder and Precision Guide Rod Lock



- Spring-engaged, air-released
- Extremely low backlash
- Precision holding
- Emergency stopping and holding
- Can be used in all axes
- Cylinder mount or stand alone

- Large clamping area: low rod wear
- Release pressure: 4.1 bar [60 psi]
- Can be stacked for additional force
- Meets IP67 standards
- Rated for 3 million cycles

### Eclipse® Servo Motor Brakes



- Spring-engaged, air-released
- Zero backlash
- Emergency stopping and holding
- Can be used in all axes
- Low inertia

- Sizes to fit all servo motors
- Meets IP67 standards
- Long facing life
- Can stall servo motor
- Cool operation

# nexen

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