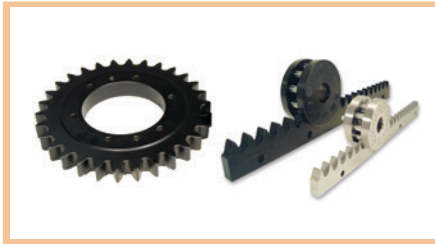


# Precision in motion.



## Roller Pinion System.

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



## Precision Ring Drive Systems.

Complete with a precision-grade bearing and drive mechanism in a rigid housing for a system with unmatched performance while boasting fast accelerations, high speed and high load capacity.



## Harmonic Gearhead.

Backlash-free system from motor to the driven load, with up to a 70% reduction in length over standard gearheads. High precision, high load, and high stiffness in a compact size.



## 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 clamping surface ensures consistent performance, ideal for accurate positioning.



## 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.



**Roller Pinion System.**

- Zero backlash
- 99% efficient
- High precision
- No cumulative error
- High speed operation
- Unlimited length possible
- Easy system integration
- Low maintenance



**Precision Ring Drive Systems.**

- 99% efficient
- High indexing precision
- High speed and acceleration
- Speeds up to 225 RPM
- Unlimited performance at any position
- Easy system integration
- Load capacity up to 1575kN
- Repeatability up to  $\pm 1.2$  ArcSec



**Harmonic Gearhead.**

- Compact design
- Zero backlash
- High precision
- Low maintenance
- Quiet operation
- High performance output bearing
- Virtually no wear



**Linear Profile Guide Rail Brakes.**

- High clamping force
- Low backlash
- Spring-engaged, air-released
- Holds in all orientations
- Emergency stopping and holding
- Brake geometry matches rail system
- Models to fit most guide rail systems



**Rod Locking Devices.**

- Spring-engaged, air-released
- Extremely low backlash
- Rated for 3 million cycles
- Can be used in all orientations
- Cylinder mount or stand alone
- Large clamping area = no rod wear
- Can be stacked for additional force
- Meets IP67 standards
- Emergency stopping and holding



**Servo Motor Brakes.**

- Spring-engaged, air-released
- Zero backlash
- Long facing life
- Can be used in all orientations
- Low inertia
- Sizes to fit all servo motors
- Meets IP67 standards
- Emergency stopping and holding
- Enough torque to stall servo motor