

MXE-P PROFILED RAIL SCREW ACTUATOR

ENDURANCE TECHNOLOGY SM *Endurance Technology features are designed for maximum durability to provide extended service life.*
A Tolomatic Design Principle

The MXE-P rodless electric screw-drive actuator is designed for applications requiring moderate to heavy load carrying and guidance. The MXE-P actuator features a profiled rail system with recirculating ball linear guides for optimal performance. Built-to-order in stroke lengths up to 3.4m (134").

Tolomatic... MAXIMUM DURABILITY
EXCELLENCE IN MOTION

INTERNAL MAGNETS

Standard feature that allows sensor installation on the open side or bottom of the extrusion

DUST WIPER

Formed end cap and side dust wipers keep contaminants from entering the actuator's interior area

STAINLESS STEEL BAND

Exterior dust band made of fatigue resistant, durable, flexible and corrosion resistant stainless steel

LOW CARRIER HEIGHT

- Reduces overall actuator envelope
- Large mounting pattern for excellent load stability

YOUR MOTOR HERE

YOU CAN CHOOSE:

- Motor or gearbox supplied and installed by Tolomatic
- Specify the device to be installed and actuator shops with proper mounting hardware - MXE is a "Your Motor Here" actuator for easy in-line motor installation. Check our website (www.tolomatic.com/ymh) for complete YMH information
- Specify and ship your device to Tolomatic for factory installation

MOTOR ORIENTATION

YOU CAN CHOOSE:

- In-line option directly couples the driving shafts and is a one-piece housing construction for optimum alignment and support of the motor
- Reverse-parallel option minimizes the overall length and offers a 1:1 or 2:1 belt ratio

NON-WEAR BAND RETENTION

- Magnetically retained band is not subject to wear as are mechanically retained systems
- Immediate band engagement and release results in less drag on carrier for lower friction force during initial carrier movement



RETAINED DUST BAND

Retained dust band keeps contaminants from entering the actuator interior, protecting components for reduced maintenance and increased uptime

MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

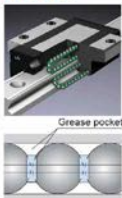
- Solid nuts of engineered resins offer quiet performance at the lowest cost - 5 choices



- Ball nuts offer positioning accuracy and repeatability with longer life, low-backlash available - 3 choices

RECIRCULATING BALL BEARINGS

- Recirculating ball bearings are used to reduce friction and extend actuator life
- Designed with a grease pocket between ball elements to reduce friction, noise and maintenance
- Large permissible moment loads
- High speed operation, low heat generation
- High precision, smooth, low friction motion



LIGHTWEIGHT ALUMINUM DESIGN

Clear anodized extrusion design is optimized for rigidity and strength

INCH OR METRIC MOUNTING

Your choice of inch (US standard) or metric mounting to the carrier

OPTIONS



AUXILIARY CARRIER **DC**

- 2X higher Fz (load) capacity
- High bending moment capacity



MIRRORED CARRIER **MR**

- Bracket in Reverse (Carrier) (Mirrored)



SWITCHES

- Wide variety of sensing choices: Reed, Solid State PNP or NPN, all available normally open or normally closed
- Flush mount, drop-in installation
- Bright LEDs, power & signal indication
- CE rated, RoHS compliant



TUBE CLAMPS **TC**

- Used for intermediate support
- Flush with bottom of actuator to retain low profile
- Drop-in, adjustable mounting locations (MXE16 uses T-nuts with Mounting Plates)



MOUNTING PLATES **MP**

- To provide clearance for motor and mount
- Use in conjunction with tube clamps

NOTE: Boxed letters indicate ordering codes