

MXE-**P** PROFILED RAIL SCREW ACTUATOR

ENDURANCE TECHNOLOGYSM

Endurance Technology features are designed for maximum durability to provide extended service life.

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 4.5m (178").

STAINLESS STEEL BAND

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

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 internal area

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 ships with proper mounting hardware - MXE is a "Your Motor Here" actuator for easy in-line motor installation. Check our website (www.tolomatic.com/yhm) for complete information
- Specify and ship your device to Tolomatic for factory installation

MOTOR ORIENTATION

YOU CAN CHOOSE:

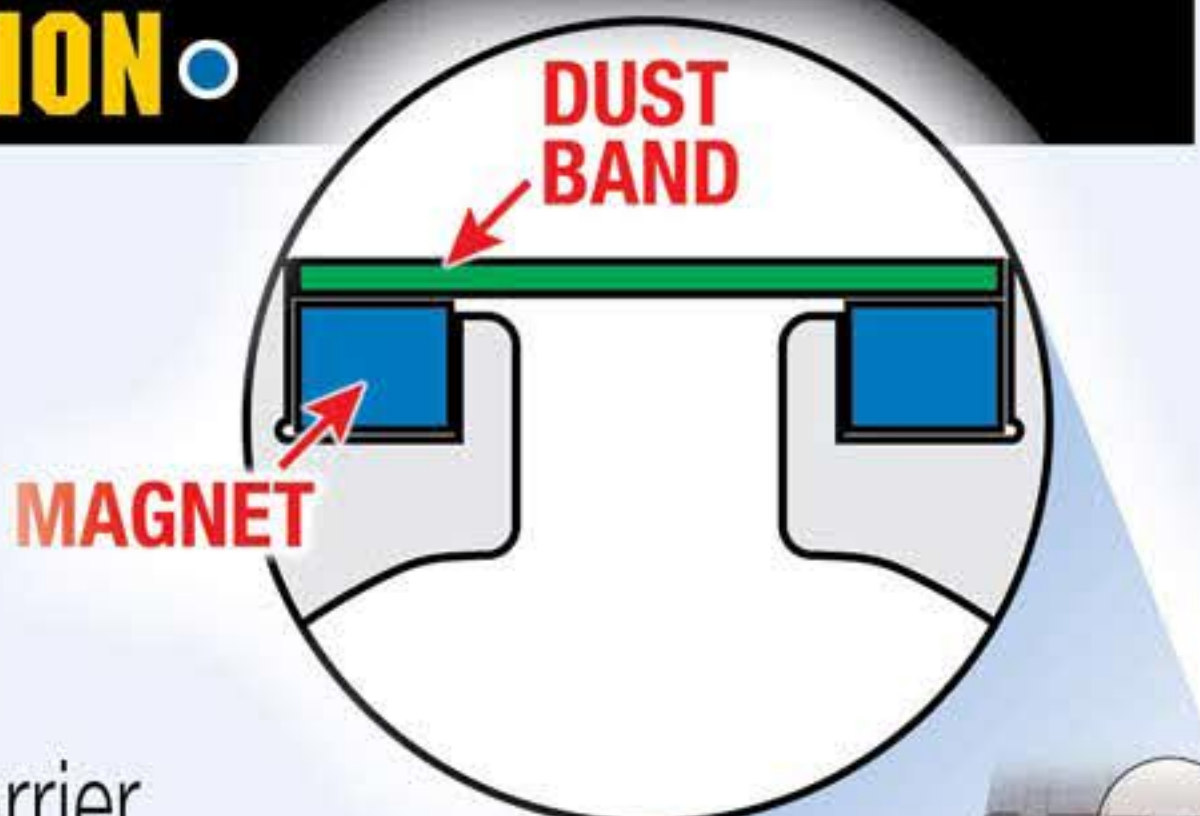
- In-line option directly couples the driving shaft and is a one-piece housing construction for optimum alignment and support of the motor
- Reverse-parallel option minimizes the overall length and offers a 1:1 or 2:1 belt ratio

RETAINED DUST BAND

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

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



MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:



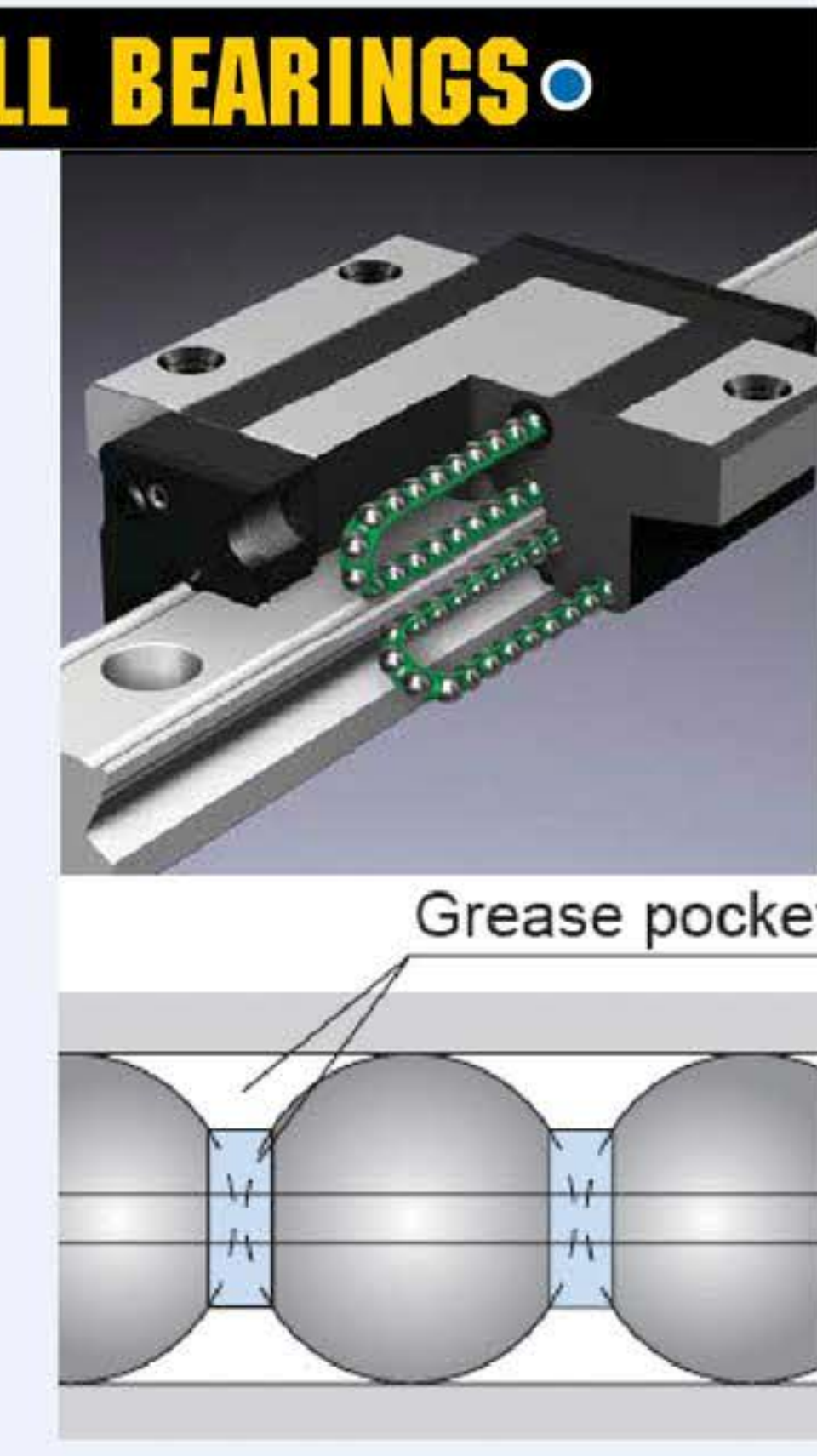
- Solid nuts of engineered resins offer quiet performance at the lowest cost - 5 choices



- 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


NOTE: Boxed letters indicate ordering codes

OPTIONS




AUXILIARY CARRIER **DIC**

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



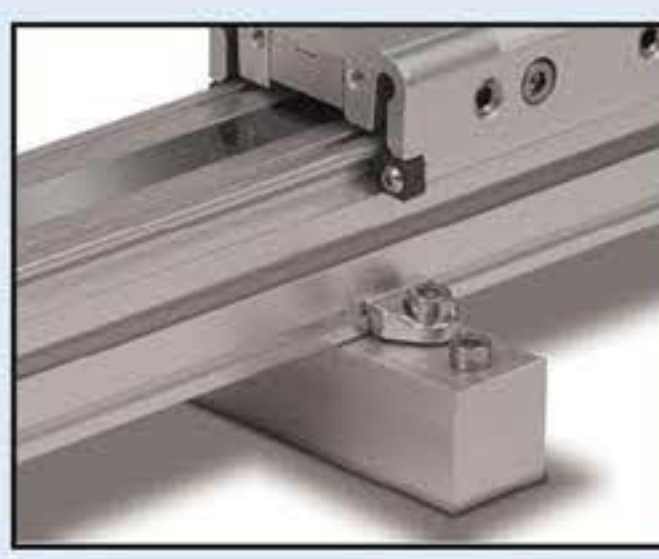
TUBE CLAMPS **TC**

- 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)




MIRRORED CARRIER **BIR**

- Bracket in Reverse (Carrier) (Mirrored)



MOUNTING PLATES **MP**

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



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