

MXE-S SOLID BEARING SCREW ACTUATOR

ENDURANCE TECHNOLOGYSM

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

The MXE-S rodless electric screw-drive actuator is designed for applications requiring moderate load carrying and guidance. The MXE-S actuator utilizes two field replaceable solid bearings that optimize stress distribution for optimal performance. Built-to-order in stroke lengths up to 4.5m (178").

LIGHTWEIGHT ALUMINUM DESIGN
• Clear anodized extrusion design is optimized for rigidity and strength

STAINLESS STEEL BAND
• Exterior dust band made of fatigue resistant, durable, flexible and corrosion resistant stainless steel

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

LARGE FLEXIBLE MOUNTING PATTERN
• Carrier gives more load stability
• Compatibility with existing BCS applications
• More fastening options

DUST WIPER
• Formed end cap and side dust wipers keep contaminants from entering the actuator's internal area

MULTIPLE SCREW TECHNOLOGIES
YOU CAN CHOOSE:
• Solid nuts of engineered resins for quiet performance at the lowest cost - 5 choices
• Ball nuts offer positioning accuracy and repeatability with longer life, low-backlash available - 3 choices

INCH OR METRIC MOUNTING
• Your choice of inch (US standard) or metric mounting to the carrier

NON-BINDING BEARING ARMS
• Bearings are tensioned indirectly, providing bind free adjustment

TRAPEZOIDAL BEARINGS
• Trapezoidal design maximizes bearing surface area for less pressure on bearing surfaces; less pressure results in less wear
• Engineered bearing material has low static and dynamic friction with low wear properties for long lasting, smooth operation
• Bearings are field replaceable for extended service life

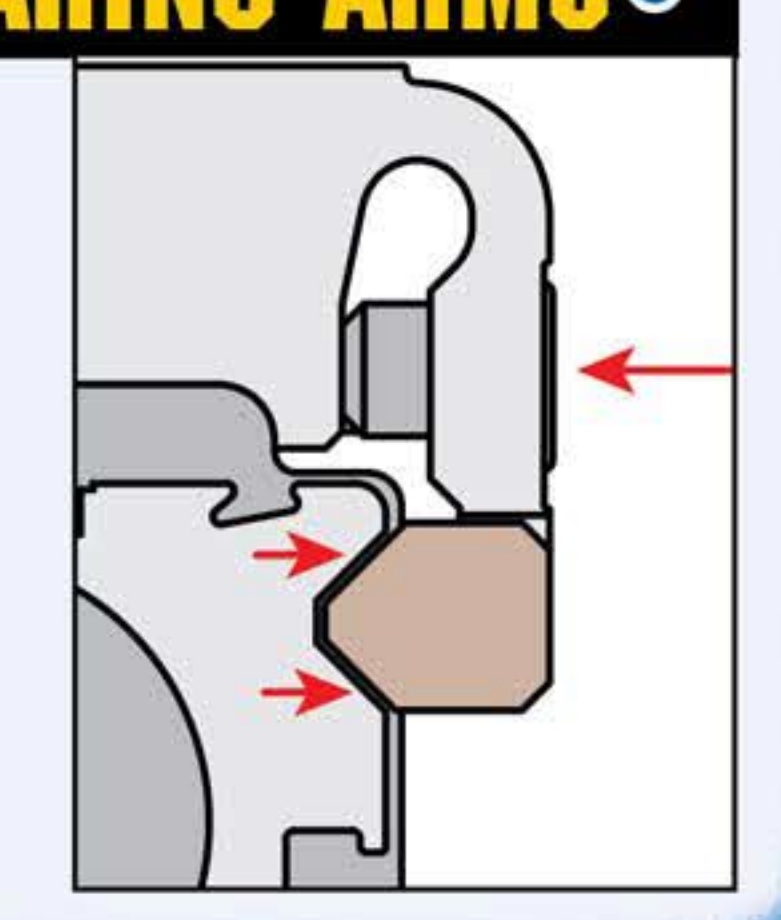
INTERNAL MAGNETS
• Standard feature that allows sensor installation on the open side or bottom of the extrusion

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/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 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



NOTE: Boxed letters indicate ordering codes

OPTIONS

- AUXILIARY CARRIER DC**
 - 2X higher Fz (load) capacity
 - High bending moment capacity
- FLOATING MOUNT FL**
 - Compensates for non-parallelism between MX actuator and externally guided load
- 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
- 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

