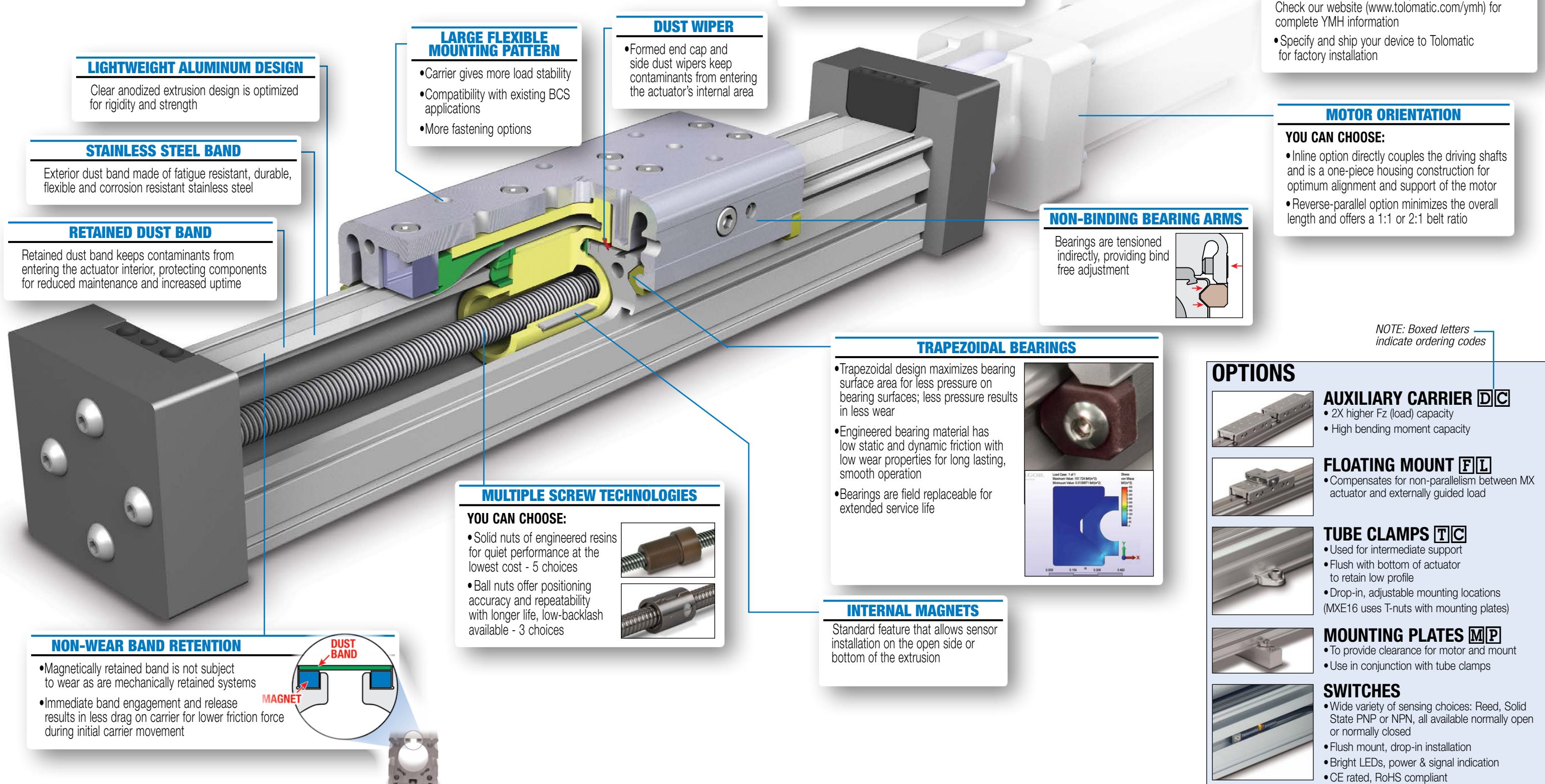


MXE-S SOLID BEARING SCREW ACTUATOR

Tolomatic... MAXIMUM DURABILITY
EXCELLENCE IN MOTION

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

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").



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

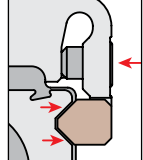
YOUR MOTOR HERE
YOU CAN CHOOSE:

- 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:

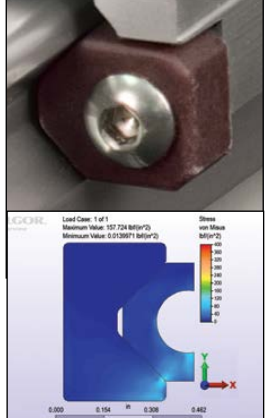
- Inline option directly couples the driving shafts and is a one-piece housing construction for optimum alignment and support of the motor
- Reverse-parallel option minimizes the overall length and offers a 1:1 or 2:1 belt ratio

NON-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

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



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

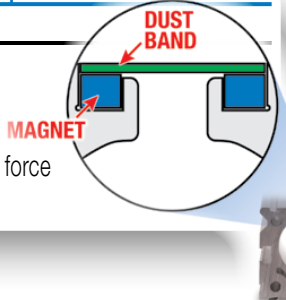
LIGHTWEIGHT ALUMINUM DESIGN
Clear anodized extrusion design is optimized for rigidity and strength

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
- Immediate band engagement and release results in less drag on carrier for lower friction force during initial carrier movement



NOTE: Boxed letters indicate ordering codes

OPTIONS

- AUXILIARY CARRIER** **[D][C]**
 - 2X higher Fz (load) capacity
 - High bending moment capacity
- FLOATING MOUNT** **[F][L]**
 - Compensates for non-parallelism between MX actuator and externally guided load
- TUBE CLAMPS** **[T][C]**
 - 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** **[M][P]**
 - 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