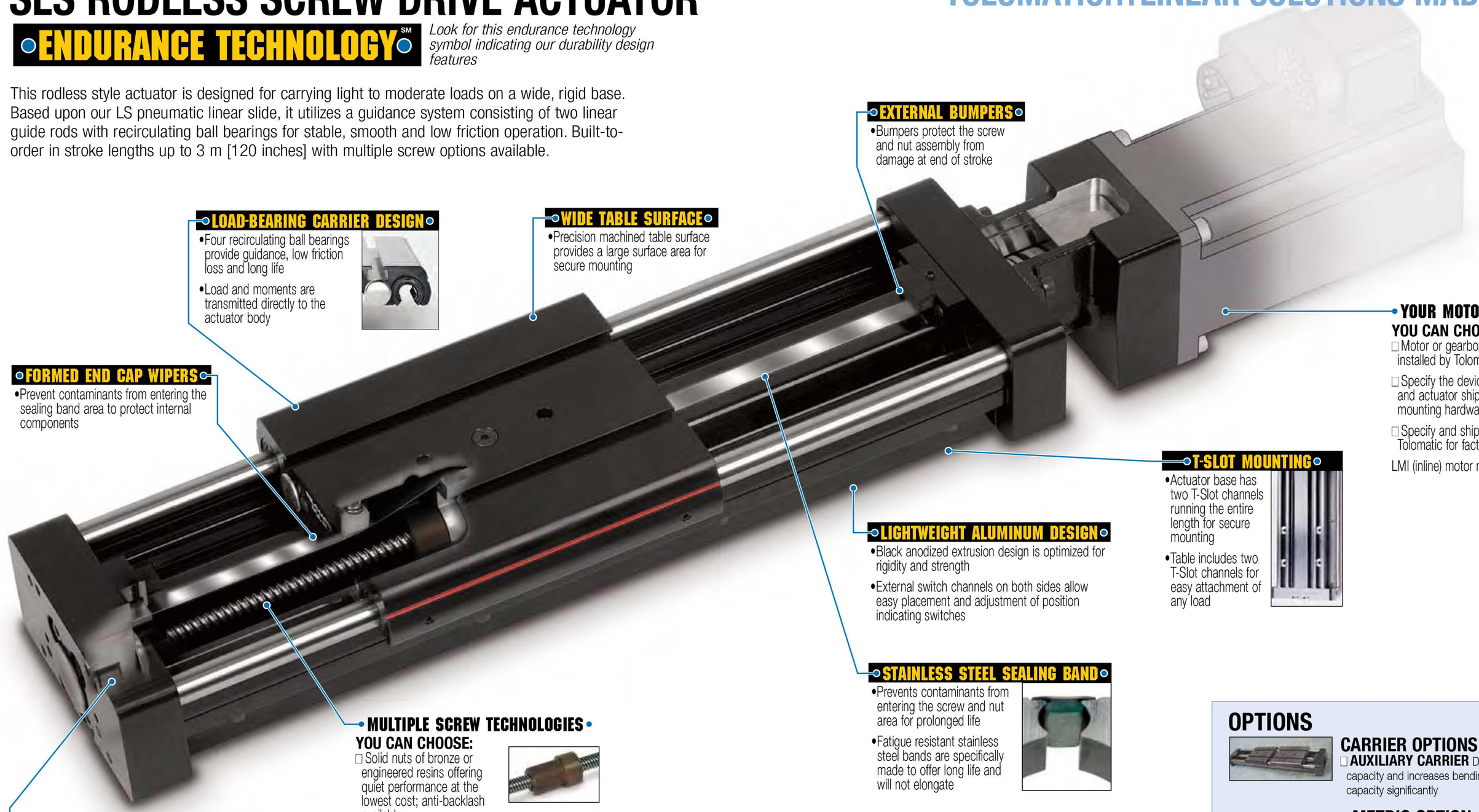
SLS RODLESS SCREW DRIVE ACTUATOR

ENDURANCE TECHNOLOGY℠

Look for this endurance technology symbol indicating our durability design features

This rodless style actuator is designed for carrying light to moderate loads on a wide, rigid base. Based upon our LS pneumatic linear slide, it utilizes a guidance system consisting of two linear guide rods with recirculating ball bearings for stable, smooth and low friction operation. Built-to-order in stroke lengths up to 3 m [120 inches] with multiple screw options available.



EXTERNAL BUMPERS

- Bumpers protect the screw and nut assembly from damage at end of stroke

LOAD-BEARING CARRIER DESIGN

- Four recirculating ball bearings provide guidance, low friction loss and long life
- Load and moments are transmitted directly to the actuator body

WIDE TABLE SURFACE

- Precision machined table surface provides a large surface area for secure mounting

FORMED END CAP WIPERS

- Prevent contaminants from entering the sealing band area to protect internal components

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
- ☐ Specify and ship your device to Tolomatic for factory installation

LMI (inline) motor mount only

T-SLOT MOUNTING

- Actuator base has two T-Slot channels running the entire length for secure mounting
- Table includes two T-Slot channels for easy attachment of any load

LIGHTWEIGHT ALUMINUM DESIGN

- Black anodized extrusion design is optimized for rigidity and strength
- External switch channels on both sides allow easy placement and adjustment of position indicating switches

STAINLESS STEEL SEALING BAND

- Prevents contaminants from entering the screw and nut area for prolonged life
- Fatigue resistant stainless steel bands are specifically made to offer long life and will not elongate

MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

- ☐ Solid nuts of bronze or engineered resins offering quiet performance at the lowest cost; anti-backlash available

- ☐ Ball nuts offer positioning accuracy and repeatability with longer life; low-backlash available

SCREW SUPPORT BEARINGS

- High thrust bearing assembly design isolates the motor from axial forces

OPTIONS

CARRIER OPTIONS

☐ **AUXILIARY CARRIER** Doubles the load capacity and increases bending moments capacity significantly

☐ METRIC OPTION

Provides metric tapped holes for mounting of load to carrier and of actuator

☐ SWITCHES

Styles include: reed, hall-effect or triac. Select either 5m potted cable with flying leads or 150mm to quick-disconnect coupler with mating 5m cable