

SLS RODLESS SCREW DRIVE ACTUATOR

TOLOMATIC... LINEAR SOLUTIONS MADE EASY

ENDURANCE TECHNOLOGYSM

A Tolomatic Design Principle

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.

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

EXTERNAL BUMPERS

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

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

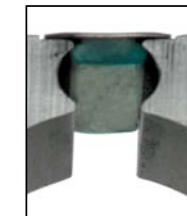
LMI (inline) motor mount only

FORMED END CAP WIPERS

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

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



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

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



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