

TWIN RAIL STAGE ENCLOSED DESIGN PROFILED RAIL ACTUATOR

ENDURANCE TECHNOLOGY

A Tolomatic Design Principle

REDUCE UNPLANNED DOWNTIME: Endurance Technology features are designed for maximum durability to provide extended service life.

The TRS Twin profile rail stage with enclosed design is built from the ground up to be highly rigid and accurate. Available in 100, 165 and 225 sizes and capable of handling loads up to 4,320 lb (1,960 kg). To maximize design flexibility, the TRS actuator is stroke configurable to minimize overall machine footprint.

HIGH RIGIDITY

Twin rails each with 2 bearings minimizes deflection for reliable and accurate positioning along the length of travel

CARRIER TO CARRIER OR BASE MOUNTING

- Build a multi-axis system with reduced components by leveraging this standard mounting option
- Tolomatic representatives are available to assist with the sizing

YOUR MOTOR HERE

- For maximum design flexibility, specify the motor or gearbox to be installed with in-line or reverse parallel mounting.
- For out of the box installation, the TRS actuator ships with the proper mounting hardware

MULTIPLE SCREW TECHNOLOGIES

ROLLER NUT

Roller nuts provide the highest thrust and life ratings available



BALL NUT

Ball nuts offer efficiency at a cost effective price



SCREW ACCURACY

± 0.0102mm/300mm; ± 0.0004"/ft.

SCREW ACCURACY

± 0.051mm/300mm; ± 0.002"/ft.

BREATHER/PURGE PORTS

Positive pressure with air lines and filters helps reduce contamination of the interior of the actuator

IP44 RATED WITH STAINLESS STEEL DUST BANDS

- Perfect for industrial environments
- Limits the amount of contaminants that enter the actuator, which protects components for reduced maintenance and increased uptime

STANDARD MOUNTING FEATURES

- **Threaded mounting holes:** Evenly spaced along the base of the actuator
- **Dowel pin holes:** Ensures the actuator can be aligned without additional modification

OPTIONAL TOE CLAMP MOUNTING

Slot and clamps provide convenient mounting option for fast installation



CLEAN SMOOTH DESIGN

- Smooth and flat surface to create the cleanest sealing design in the industry
- Wiper and seal are integrated in carrier design to enable clean and smooth operation

OPTIONAL SWITCH WITH RAIL

- 12 switch choices in normally open or closed; with flying leads or quick-disconnect



- Easily adjust the location of switches along the length of the actuator

OPTIONAL MID-SCREW SUPPORT

- Optional Mid-Screw Support for faster travel speeds with longer stroke lengths

