

The ERD is an economical rod-style electric actuator designed as an alternative to pneumatic cylinders and an option for automating manual processes. The ERD is compatible with many NEMA & metric mount stepper and servo motors to create a flexible, powerful electric actuator solution. Built-to-order in stroke lengths up to 1.219 m (48").

MULTIPLE SCREW TECHNOLOGIES

YOU CAN CHOOSE:

- Solid nuts of bronze (15, 20 sizes) or engineered resins (10, 15 sizes) offer quiet performance at the lowest cost
- Ball screws offer efficiency at a cost effective price; low-backlash available



THREADED NOSE MOUNT WITH JAM NUT

- Metric threads
- Convenient mounting for many applications (10, 15, 20 sizes)



THREADED ROD END

- Compatible with many commercially available metric rod end accessories
- Standard metric threads
- Male threads

STAINLESS-STEEL THRUST TUBE

300 Series stainless-steel thrust tube provides high rigidity and corrosion resistance

NOSE BEARING

- Engineered resins for smooth operation
- Provides critical support of thrust rod

300 SERIES STAINLESS-STEEL MAIN TUBE

300 Series stainless-steel main tube provides high rigidity and corrosion resistance

INTERNAL MAGNET

This standard feature accommodates reed and solid state switches anywhere on the main tube

MOTOR ORIENTATION

LMI - Inline

Inline option directly couples the driving shaft and is typically a one-piece housing construction for optimum alignment and support of the motor

RP - Reverse parallel

Reverse-parallel option minimizes the overall length and offers a belt reduction drive with a 1:1 or 2:1 ratio.

YOUR MOTOR HERE® OR NEMA

See page 23 for complete information.



OPTIONS

INTERNAL ANTI-ROTATE (ARI)

Available for 15, 20 sizes only.



TRUNNION MOUNT (TRR)

For applications that require pivoting, 300 series stainless steel construction. Available on all sizes



REAR CLEVIS MOUNT (PCD)

For applications that require rear pivot, (Available for 15, 20 sizes with  mounting only)



FOOT MOUNT (FM2)*

For applications that require bottom mounting, 300 series stainless steel construction. Available on all sizes



FRONT FLANGE MOUNT (FFG)*

For front mounting applications, 300 series stainless steel construction. Available on all sizes



SWITCHES*

Choose from: Reed, Solid State PNP or NPN, all available in normally open. Available on all sizes

***NOTE: Foot Mount, Front Flange Mount and Switches are shipped together with the actuator but are not installed by Tolomatic.**

GUIDE (GD2)

For applications that require anti-rotation, or guidance and load bearing. Tooling plate and guide block made of lightweight aluminum. Available on all sizes

INTEGRAL GUIDE RODS AND BEARINGS

- Stainless-steel guide rods provide high rigidity and low deflection
- Four composite bearings support the load for smooth consistent motion

