



LEAD SCREW LINEAR ACTUATORS

Profile Rail Linear Actuators

Helix Profile Rail Linear Actuators feature smooth, clean and quiet linear positioning. The PRA is built with a 300 series stainless steel precision lead screw coated with the Helix H4X™ PTFE dry lubricant that extends the lead screw nut life by 8-10X. The lead screw assembly also incorporates a standard or anti-backlash nut to eliminate axial and radial lash.

The PRA linear actuator utilizes a precision ground profile rail for guidance to deliver pitch, roll and yaw guidance. These pre-assembled linear actuators offer a turn-key solution for linear motion solutions and quick deliveries.

PRA Ordering Guide Table

| PRA | 17 | D | 25 | N | 10.00 | E200 | A |
|--------|--------------|-------------------|---------------------------|--------------------------------|--|--------------------|------------------|
| Series | Series Model | Motor Length | Lead Code | Nut Style | Actuator Length | Encoder | Encoder Position |
| PRA | 8 | S Single Stack | See Lead Code Table Pg. 5 | N Standard Freewheeling Nut | Length (inch) example: 10.00 | E 200 200 CPR | A |
| | 11 | | | | | | |
| | 17 | D Double Stack | | A Axial Anti-Backlash | | E 500 500 CPR | |
| | 23 | T Triple Stack | | R Radial Anti-Backlash | | E 1000 1000 CPR | |
| | | | E 2000 2000 CPR | | | | |

Consult our Application Engineers (sales@helixlinear.com) for custom solutions.