

ERV and ER Series Rodless Actuators

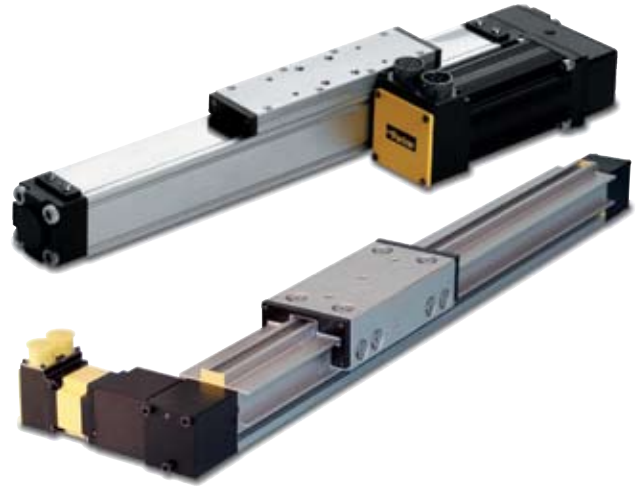
www.parker.com/em/erv
www.parker.com/em/er

Parker's ERV Series rodless actuator is designed in an affordable package that includes an extruded base and an external carriage containing outboard roller bearings for high load capacity.

- High-strength extruded body
- External bearing carriage for high loads
- Economical design for high-load and high-speed applications

The ER Series rodless actuator features an internal bearing carriage and the option of a belt or screw drive.

- Modular design with either belt or screw drive
- Internal bearing carriage with strip seal



Series	ER32	ER50	ERV5	ERV8
Max load:				
Roller bearing N (lbf)	222 (50)	445 (100)	1,126 (253)	2,112 (474)
Max load:				
Square rail N (lbf)	1,112 (250)	2,224 (500)	—	—
Extended carriage N (lbf)	—	—	1,915 (430)	3,590 (807)
Max velocity:				
Belt m/sec (in./sec)*	3.5 (140)	—	5.0 (200)	5.0 (200)
Ball screw m/sec (in/sec)*	0.4 (15.6)	1.5 (60)	—	—
Acme screw m/sec (in/sec)*	0.8 (31.2)	0.64 (25)	—	—
Rated acceleration (g)*	9.8 (386)	9.8 (386)	9.8 (386)	9.8 (386)
Max travel m (in)**	1 (39.2)	1.5 (59.0)	6 (238)	6 (237)
Bi-directional repeatability				
Screw (mm)	±0.025/±0.152 (±0.001/±0.006)		—	
Belt (mm)	±0.102/±0.203 (±0.004/±0.008)		±0.1/±0.2 (±0.004/±0.008)	

*Application dependant, consult catalog for specifications.
 **Single piece Extrusion, Longer strokes available with spliced units.

Belt Driven Tables