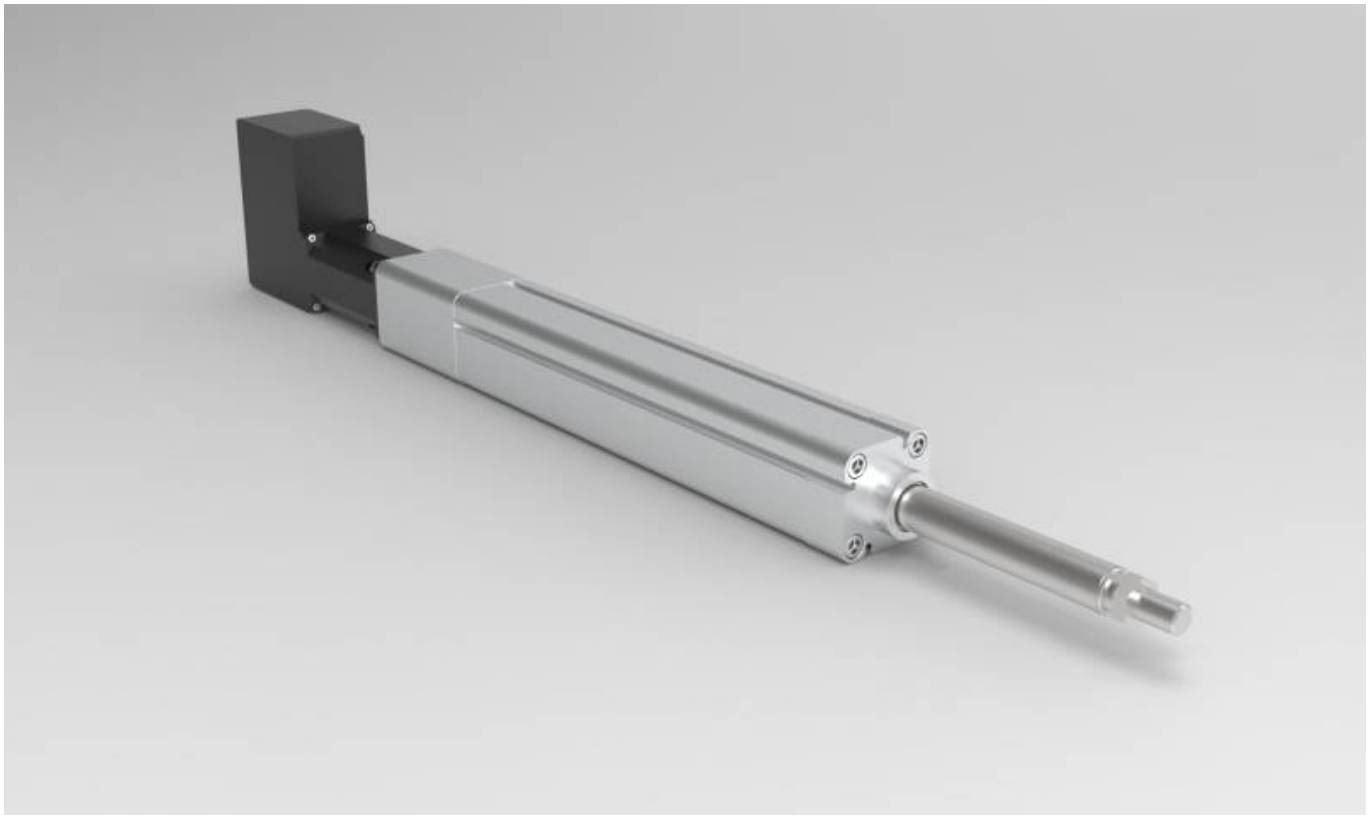
Mechanical construction

This page describes the **mechanical construction** of the Motolab actuator. The actuator is based on a ball-screw drive with an ISO 15552 standard flange.



Standard: ISO 15552, ball screw lead: 5, 10, 20 mm. The output screw is M16x1.5 mm.

Ballscew actuator sizes	50, 63
Standard	ISO15552
Repeatability (**mm**)	±0.02
Ball screw *lead* (**mm**)	5, 10, 20
Ball screw	50: C7ø16 63: C7ø20
Stroke (mm)	50: 100~600/50 pitch 63: 100~800/50 pitch
Antirotation accuracy	±0.4 degrees
Max speed (mm/s)	250~1000
Rated thrust (N)	390~3000

Notes on the mechanics

- The actuator is based on a ball-screw drive with a lead of 5, 10, or 20 mm. - The standard flange is ISO 15552; the output screw is M16x1.5 mm. - The repeatability is ±0.02 mm; the anti-rotation accuracy is ±0.4 degrees. - The stroke ranges from 100 to 800 mm (50 mm pitch); the rated thrust is 390–3000 N.

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