

# Electro-Thrust Electric Cylinders

## Series EC

### 0.5 – 40 kN

The electro-thrust electric cylinders offers an alternative to hydraulic systems for static and cyclic material and component testing.

**This family contains 5 different cylinders with thrust forces up to 40 kN.**

The cylinder assembly incorporates a high quality class ball screw drive that allows very short movements due to the absence of stick-slip effects and speed up to 750 mm / second depending on unit and gear box. The cylinders are available with inline mounted drive providing high responsive control with minimum backlash or with parallel mounted drive whichever is more suitable for your testing needs.



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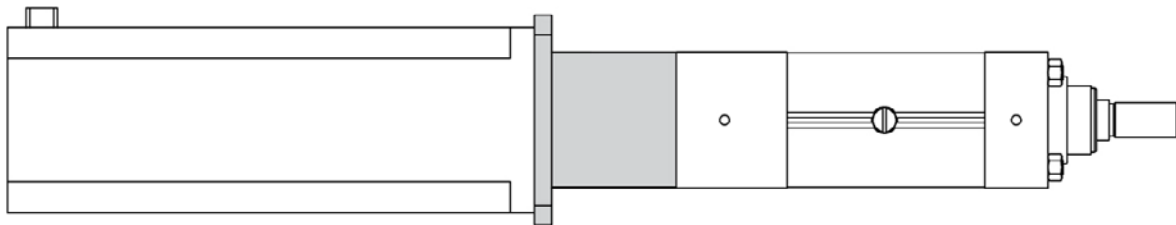
# Technical Data Series EC 0.5 – 40 kN

## General Specifications:

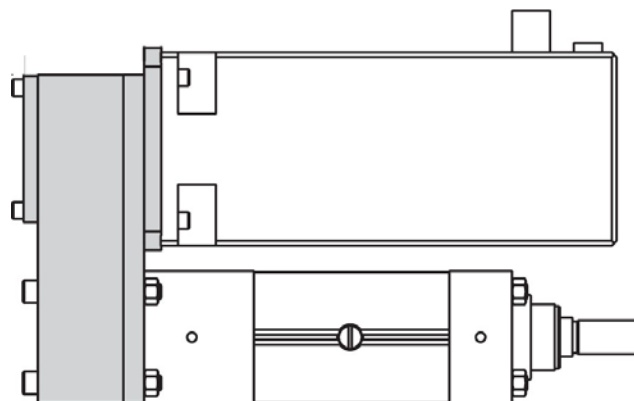
Accuracy:	Grade 0.5 in accordance with ISO 7500-1, EN 10002-2 and other standards.
Test Speed:	Available with different test speeds depending on application ranging up to 750 mm / sec.
Control:	Force and displacement closed loop controlled.
Power Requirements:	Standard 220 / 240 V, 50 Hz. Others upon request.

Type	EC	0.5	2.5	7.5	20	40
Test Load max.:	kN	0.5	2.5	7.5	20	40
Piston Stroke:	mm	50 - 750	50 - 1000	100 - 1500	100 - 1500	100 - 2000
System Backlash <sup>1</sup> :	mm	0.02	0.02	0.02	0.02	0.075

<sup>1</sup>with inline motor mounting only



**Inline Mounting of Motor**



**Parallel Mounting of Motor**

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