

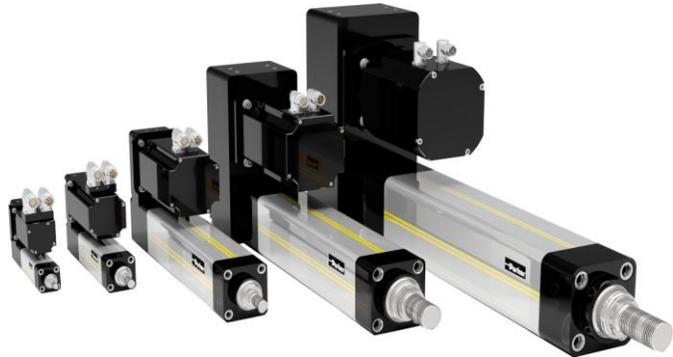


New Electric Cylinder with 25,000+ lb Thrust Force Capacity

ETH125 frame size dramatically extends the thrust capacity of the ETH series providing force density relative to roller screw and hydraulic technology.

Parker's latest addition to the ETH product line serves to further extend the performance range of the series and create a family of products that maintains the greatest thrust density of any ball screw driven actuator on the market today. The ETH125 is the fifth and largest frame size in the series and expands this line of industrial cylinder product to serve a much broader range of application requirements.

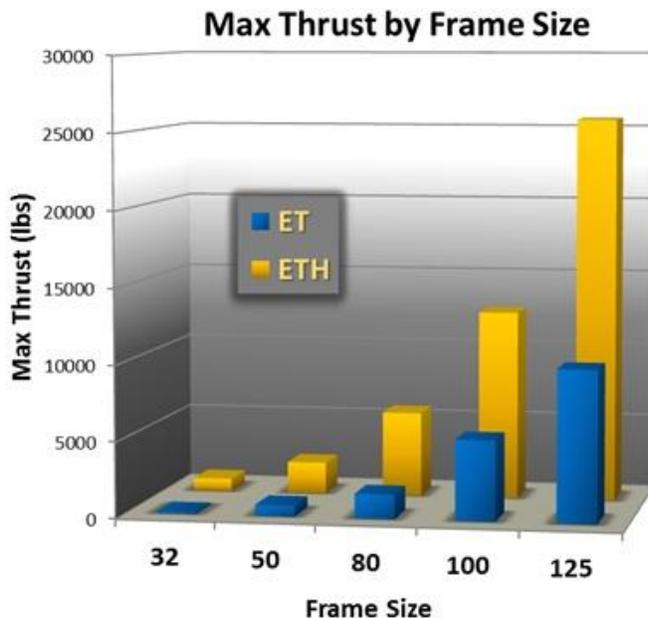
The ETH is the next generation of electric thrust cylinder product and utilizes a completely new integrated drive train and guidance design that has enabled Parker to maximize the overall thrust capacity within a smaller overall footprint. With the development of the 125mm frame size, Parker's ETH now spans a thrust range up to 114,000 N (25,618 lbs) and has been designed to compete with similarly sized roller screw products and offers an energy efficient solution to hydraulic actuation. See the table below comparing ETH thrust force capacity to similar bore size hydraulic cylinders.



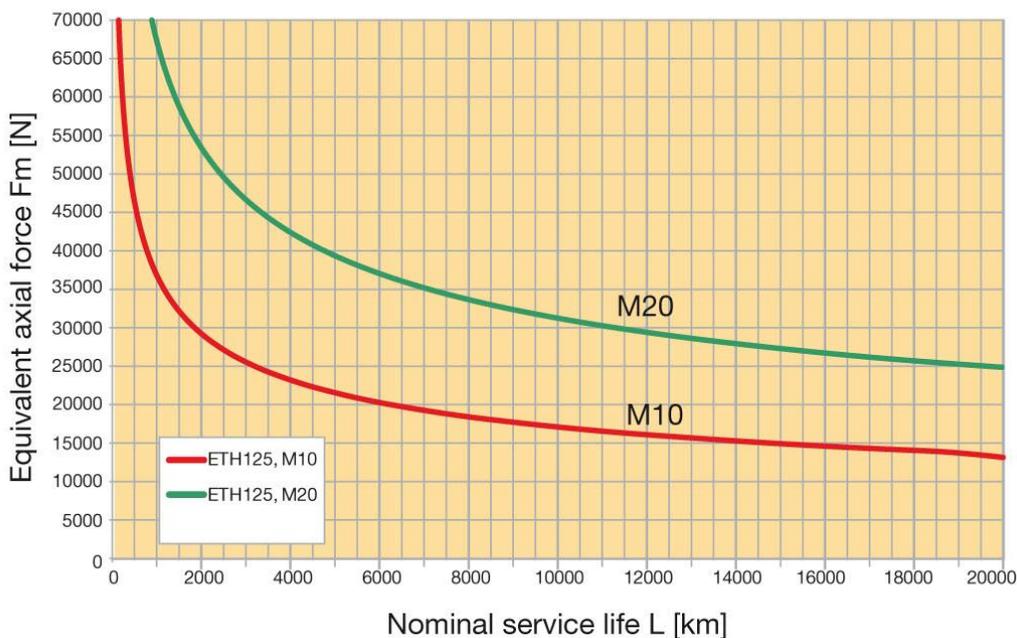
size	pneumatic Thrust force @ 6 bar	hydraulic Thrust force @ 70 bar	electromechanic Thrust force ETH
32 mm	500 N	5.600 N	3.700 N
50 mm	1.200 N	13.700 N	9.300 N
80 mm	3.000 N	35.200 N	25.100 N
100 mm	4.700 N	54.900 N	56.000 N
125 mm	7.300 N	85.900 N	114.000 N

Parker's ETH series capitalizes on the success of the industry proven ET product family, but with a radically new design, ETH actuators have dramatically increased performance specifications. To this extent, the same frame-size ETH carries three to four times higher force capacity and 10 times the rated life than the identically sized ET cylinder.

ETH cylinders are designed for a rated life of 2,540km (100 million inches) of travel. The ETH125 has a rated load capacity of 49,600N (11,151 lbf) at 2,540km of travel. See the chart below for a summation of the impact of load on cylinder life.



ETH125



With a wide range of standard configurable options as well as customizable solutions, the ETH is designed to solve today's most challenging applications.

ETH High Force Electric Cylinder features:

- Maximized thrust density and precision position control
- 5 frame sizes: 32, 50, 80, 100 & 125mm (DIN ISO 15552:2005-12 mounting footprint)
- Oversized ball screw and thrust bearings
- Maximum thrust: 114 kN (25,628 lbs)

- Maximum stroke: 2m (79 in)
- Maximum speed: 1.7 m/s (67 in)
- Maximum acceleration: 15 m/s² (1.5 G)
- Bi-directional repeatability: +/- 0.03mm (.012"), +/- 0.05mm for parallel mount (.020")
- Duty cycle: 100%
- IP54 rated as standard with options for IP65 and higher
- Integrated anti-rotation device

For more information on Parker's ETH line, please visit www.parkermotion.com/ETH

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