

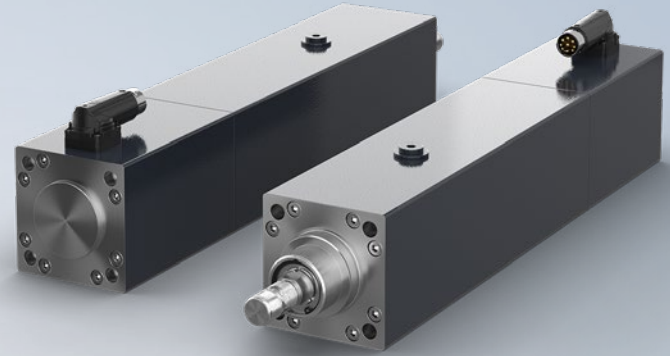
## AA3000 series: Servomotor alternative for energy-intensive pneumatic cylinders

The electric cylinders from the AA3000 series are ideally suited as direct drives for linear applications with high process forces and speeds. The advantages with regard to force, dynamics and compactness meet the advantages of servo technology such as controlled positioning, safe holding at a standstill and high energy efficiency.

The integrated mechanism of precise roller bearings, ball screw and guide provides for a backlash-free, purely translatory motion. Furthermore, this results in very compact dimensions. At the shaft end of the spindle is an external thread on which conventional adapters such as ball heads or clamping hooks from the pneumatic/hydraulic range can be mounted.

The first product of the new series is the AA3033 electric cylinder, which is offered in two variants:

- with 12,500 N peak force, 3,700 N continuous force and 0.5 m/s maximum speed
- with 6,250 N peak force, 1,850 N continuous force and 1.0 m/s maximum speed



The flange size of the electric cylinder is based on ISO 15552 and has bolting points on both sides in case, for example, an application requires a swivel bolt connection. This compatibility makes the conversion from pneumatic to electric drive technology particularly easy. In addition to the high resolution, the safe 24-bit multiturn encoder installed offers the advantages of the One Cable Technology (OCT) and the electronic identification plate for fast and simple commissioning. In addition, the electric cylinder enables uncomplicated access to process data, which can be used to optimize process performance quickly and easily. Other spindle pitches or a backlash-free holding brake are available as options.

More information:

[www.beckhoff.com/aa3000](http://www.beckhoff.com/aa3000)