



News Release

## **Festo Introduces the DDLI Pneumatic Actuator for Servo Positioning and Force Control**

**The new [DDLI servo-pneumatic actuator](#) from Festo delivers precise dynamic movement of large loads – up to 180kg horizontally and 60 kg vertically – and cycle times up to 30 percent faster than comparable standard pneumatic actuators.**

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**HAUPPAUGE, NY, November 25, 2014** — The new DDLI servo-pneumatic actuator with integrated position feedback offers OEMs fast, controlled positioning and the capability to regulate feed forces on the fly. The DDLI is ideal for positioning a diverter on a conveyor, opening and closing large machine doors, clamping, and more.

When used with the Festo [CPX-CMAX servo-pneumatic controller](#), the DDLI can be operated like an electric servo drive to perform position and force tasks. Use the integrated record set table to predefine position and force tasks in the CMAX controller. Or send position and force directly from the PLC to the CMAX controller and modify movements on the fly.

This actuator is well-suited for precise dynamic movement of large loads. When used with the Festo CPX-CMPX soft stop module, DDLI eliminates impacts at the end position and achieves cycle times up to 30 percent faster than comparable standard pneumatic actuators.

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The Festo [DARD coupling](#) reduces play between the actuator and load making for stable position/force control and measurements. Ball joints in the coupling compensate for misalignments in position and orientation of the load. With a protection rating of IP67, the actuator is suitable for wet and dirty environments.

A wide variety of fieldbus options provides the connectivity needed to deliver a variety of advantages, including remote maintenance, remote diagnostics, web server access, SMS, and e-mail alerts. Modules can be quickly exchanged and expanded without altering wiring. OEMs can completely configure, commission, and operate the DDLI via fieldbus from within the PLC environment.

Key specifications include:

- Sizes 25,32,40,63 mm
- Stroke range 100 to 2,000 mm
- Maximum speed 3 m/s
- Maximum feed force 1,683 N
- Maximum load 180 kg horizontally / 60 kg vertically

For more information on the DDLI pneumatic servo controlled actuator, call Festo at 800-993-3786 and visit <http://www.festo.us>.

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## About Festo

Festo is a leading manufacturer of pneumatic and electromechanical systems, components, and controls for process and industrial automation. For more than 40 years, Festo Corporation has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment.

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