532446

Industrial automation components

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Manufacturer	Festo
Catalog number	532446
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Stroke Length	1 to 3000 mm
Piston Diameter	18 mm
Guide Type	Recirculating Ball Bearing Guide
Cushioning Type	Adjustable Pneumatic Cushioning at Both Ends
Operating Pressure	2 to 8 bar
Compliance	EU ATEX and UKEX Explosion Protection

Description

The Festo 532446 Linear Drive, part of the DGC-18 series, is a high-performance pneumatic actuator designed for precise linear motion applications. With a piston diameter of 18 mm and a stroke length ranging from 1 mm to 3000 mm, it offers versatility for various industrial tasks. The actuator features a recirculating ball bearing guide (designated as -KF) for smooth operation and adjustable pneumatic cushioning at both ends (-PPV-A) to ensure controlled deceleration. It operates within a pressure range of 2 bar to 8 bar and is suitable for double-acting applications. The device is compliant with EU explosion protection directives (ATEX) and UKEX standards, making it suitable for use in explosive atmospheres. The operating medium is compressed air, adhering to ISO 8573-1:2010 standards. This actuator is ideal for applications requiring precise linear positioning and measurement, such as material handling, assembly lines, and quality inspection processes.

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