532318

Industrial automation components

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Manufacturer	Festo
Catalog number	532318
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Stroke Length	20 to 400 mm
Piston Diameter	32 mm
Operating Pressure	0.15 to 1 MPa
Guide Type	Plain-bearing and recirculating ball bearing
Cushioning Type	Elastic rings and adjustable pneumatic
Explosion Protection	ATEX Zone 1 and Zone 2

Description

The Festo 532318 is a guided drive from the DFM-32 series, designed for precise linear motion applications in industrial automation. This double-acting cylinder features a 32 mm piston diameter and offers stroke lengths ranging from 20 mm to 400 mm, accommodating various operational needs. The drive operates under a pressure range of 0.15 MPa to 1 MPa (1.5 bar to 10 bar), ensuring reliable performance across different environments. It supports both plain-bearing and recirculating ball bearing guides, providing flexibility in mounting and application. The cylinder is equipped with elastic cushioning rings and adjustable pneumatic cushioning at both ends, enhancing operational safety and reducing mechanical stress. Additionally, the Festo 532318 is suitable for use in explosive atmospheres, meeting ATEX Zone 1 and Zone 2 standards, and is marked with the CE and UKCA certifications, indicating compliance with European and UK safety regulations. This makes it a robust choice for applications requiring precise linear motion and safety compliance.

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