170962

Industrial automation components

Add to quote

Ask about this product



Manufacturer	Festo
Catalog number	170962
Category	Industrial automation components
Product type	Industrial automation components
Status	Active product

Technical specification

Piston Diameter	80 mm
Stroke	80 mm
Operating Pressure	0.5 to 10 bar
Max Speed	0.4 m/s
Mounting Position	Any
Ambient Temperature	-5 to 60 °C

Description

The Festo 170962 Guided Drive, also known as DFM-80-80-P-A-KF, is a double-acting pneumatic actuator designed for precise linear motion applications. With an 80 mm piston diameter and an 80 mm stroke, it delivers a theoretical force of 3016 N at 6 bar pressure. The integrated recirculating ball bearing guide ensures high resistance to torques and lateral forces, making it suitable for tasks requiring exact positioning. The actuator operates within a pressure range of 0.5 to 10 bar and achieves a maximum speed of 0.4 m/s. It features elastic cushioning rings at both ends to minimize impact energy, rated at 0.75 Nm. The device is compatible with lubricated operation, which is required for continued use. Designed for versatility, it can be mounted in any position and is suitable for ambient temperatures between -5°C and 60°C. The actuator is also classified under corrosion resistance class 0, indicating no corrosion stress, and conforms to LABS (PWIS) standard VDMA24364-B1/B2-L, ensuring compatibility with cleanroom environments.

Automation Trader
960 Capability Green
Luton, Bedfordshire LU1 3PE
VAT ID: PL6463009354
REGON: 527345886
DUNS: 427734105
BDO: 000726360

Phone
+44 7418 359 399

Email
info@automationtrader.com

Generated on demand. The PDF file is not stored on the server.