

Bellow gripper DHEB-51-E-U-E-P

Part number: 1320840

FESTO



 [General operating condition](#)

Data sheet

Feature	Value
Size	51
Stroke of bellows	18 mm
Min. \varnothing to be gripped	54 mm
Max. \varnothing to be gripped	68 mm
Mounting position	optional
Mode of operation	Single-acting Closed
Gripper function	Adaptive
Design	Contracting diaphragm Force pilot operated motion sequence
Guide	Basic guide
Position detection	Via proximity switch
Operating pressure	4 bar ... 8 bar
Reset pressure	<1 bar
Max. operating frequency of gripper	≤ 4 Hz
Min. opening time at 0.6 MPa (6 bar, 87 psi)	30 ms
Min. closing time at 0.6 MPa (6 bar, 87 psi)	70 ms
Operating medium	Compressed air to ISO 8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (in which case lubricated operation will always be required)
Corrosion resistance class CRC	2 - Moderate corrosion stress
LABS (PWIS) conformity	VDMA24364 zone III
Ambient temperature	5 °C ... 60 °C
Average replacement interval for the bellows	0.5 MioCyc
Guide value for effective load	2.5 kg
Product weight	500 g
Type of mounting	Via male thread Via lock nut
Pneumatic connection	G1/8
Note on materials	RoHS-compliant
Material bellows	EPDM
Material housing	Aluminium Anodised