

# Bellow gripper DHEB-12-E-U-S-P

Part number: 1320822

**FESTO**



## Data sheet

| Feature                                      | Value                                                                                      |
|----------------------------------------------|--------------------------------------------------------------------------------------------|
| Size                                         | 12                                                                                         |
| Stroke of bellows                            | 5.5 mm                                                                                     |
| Min. ø to be gripped                         | 13 mm                                                                                      |
| Max. ø to be gripped                         | 17 mm                                                                                      |
| Mounting position                            | optional                                                                                   |
| Mode of operation                            | Single-acting<br>Closed                                                                    |
| Gripper function                             | Adaptive                                                                                   |
| Design                                       | Contracting diaphragm<br>Force pilot operated motion sequence                              |
| Guide                                        | Basic guide                                                                                |
| Position detection                           | Without                                                                                    |
| Operating pressure                           | 5 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) | 20 ms                                                                                      |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 40 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                                                                         |
| Suitable for use with food                   | See supplementary material information                                                     |
| Ambient temperature                          | 5 °C...60 °C                                                                               |
| Average replacement interval for the bellows | 1 MioCyc                                                                                   |
| Guide value for effective load               | 0.12 kg                                                                                    |
| Product weight                               | 18 g                                                                                       |
| Type of mounting                             | Via male thread<br>Via lock nut<br>Either:                                                 |
| Pneumatic connection                         | M3                                                                                         |
| Note on materials                            | RoHS-compliant                                                                             |
| Material bellows                             | VMQ (silicone)                                                                             |

| Feature          | Value                 |
|------------------|-----------------------|
| Material housing | Aluminium<br>Anodised |