

# Bellows gripper DHEB-41-E-U-S-P

Part number: 1320828

FESTO



## Data sheet

| Feature                                      | Value   |
|--|---|
| Size   | 41  |
| Stroke of the bellows                        | 15.5 mm   |
| Min. diameter to be gripped                  | 42 mm   |
| Max. diameter to be gripped                  | 54 mm   |
| Assembly position                            | Any   |
| Mode of operation                            | single-acting<br>closed   |
| Gripper function                             | Adaptive  |
| Design structure                             | Contractible membrane<br>guided motion sequence                             |
| Guide  | Basic guide   |
| Position detection                           | For proximity sensor  |
| Working pressure                             | 4 ... 8 bar   |
| Resetting 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 in accordance with ISO8573-1:2010 [7:4:4]                    |
| Note on operating and pilot medium           | Lubricated operation possible (subsequently required for further operation) |
| Corrosion resistance classification CRC      | 2 - Moderate corrosion stress   |
| PWIS conformity                              | VDMA24364 zone III  |
| Food-safe                                    | See Supplementary material information                                      |
| Ambient temperature                          | 5 ... 60 °C   |
| Average replacement interval for the bellows | 1 Mio SP  |
| Effective load reference value               | 1.2 kg  |
| Product weight                               | 300 g   |
| Mounting type                                | with external (male) thread<br>with lock nut<br>Optional                    |
| Pneumatic connection                         | M5  |
| Materials note                               | Conforms to RoHS  |
| Material bellows                             | VMQ (silicon)   |
| Material housing                             | Aluminum<br>Anodized  |