

# Bellows gripper DHEB-8-E-U-E-P

Part number: 1320831

FESTO



 General operating condition

## Data sheet

| Feature                                       | Value                                                              |
|-----------------------------------------------|--------------------------------------------------------------------|
| Size                                          | 8                                                                  |
| Stroke of bellows                             | 3.5 mm                                                             |
| Min. diameter to be gripped                   | 8 mm                                                               |
| Max. diameter to be gripped                   | 11 mm                                                              |
| Mounting position                             | Any                                                                |
| Mode of operation                             | Single-acting<br>Closed                                            |
| Gripper function                              | Adaptive                                                           |
| Structural design                             | Contracting diaphragm<br>Positively driven motion sequence         |
| Guide                                         | Basic guide                                                        |
| Position sensing                              | None                                                               |
| Operating pressure                            | 5 bar ... 8 bar                                                    |
| Resetting pressure                            | <1 bar                                                             |
| Max. operating frequency of pneumatic gripper | ≤4 Hz                                                              |
| Min. opening time at 6 bar                    | 10 ms                                                              |
| Min. closing time at 6 bar                    | 30 ms                                                              |
| Operating medium                              | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media      | Operation with oil lubrication possible (required for further use) |
| 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 payload                       | 0.08 kg                                                            |
| Product weight                                | 16 g                                                               |
| Type of mounting                              | With external thread<br>With lock nut                              |
| Pneumatic connection                          | M3                                                                 |
| Note on materials                             | RoHS-compliant                                                     |
| Bellows material                              | EPDM                                                               |
| Housing material                              | Aluminum<br>Anodized                                               |