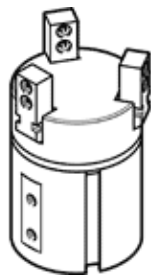


# Three-point gripper DHDS-32-A-NC

Part number: 1259494

FESTO



## Data sheet

| Feature                                      | Value   |
|--|---|
| Size   | 32  |
| Stroke per gripper jaw                       | 3.9 mm  |
| Max. replacement accuracy                    | ≤ 0.2 mm  |
| Max. angular gripper jaw backlash ax,ay      | ≤ 0.2 deg   |
| Max. gripper jaw backlash Sz                 | ≤ 0.02 mm   |
| Rotationally symmetrical                     | ≤ 0.2 mm  |
| Repetition accuracy, gripper                 | ≤ 0.04 mm   |
| Number of gripper fingers                    | 3   |
| Assembly position                            | Any   |
| Mode of operation                            | double-acting   |
| Gripper function                             | 3-point   |
| Gripper force back-up                        | On closing  |
| Design structure                             | Lever<br>guided motion sequence   |
| Position detection                           | For proximity sensor  |
| Working pressure                             | 4 ... 8 bar   |
| Max. operating frequency of gripper          | ≤ 4 Hz  |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 55 ms   |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 47 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      | 1 - Low corrosion stress  |
| PWIS conformity                              | VDMA24364-B2-L  |
| RSBP classification to CD-0033               | F5  |
| Ambient temperature                          | 5 ... 60 °C   |
| Mass moment of inertia                       | 0.82 kgcm <sup>2</sup>  |
| Max. force on gripper jaw Fz static          | 150 N   |
| Max. torque at gripper Mx static             | 9 Nm  |
| Max. torque at gripper My static             | 9 Nm  |
| Max. torque at gripper Mz static             | 9 Nm  |
| Lubrication interval for guide components    | 10 Mio SP   |
| Max. mass per external gripper finger        | 150 g   |
| Product weight                               | 281 g   |
| Mounting type                                | With internal thread and dowel pin  |
| Pneumatic connection                         | M5  |
| Materials note                               | Conforms to RoHS  |
| Material cover cap                           | PA  |
| Material housing                             | Hard anodised wrought aluminium alloy                                       |
| Material gripper jaws                        | High alloy steel, non-corrosive   |