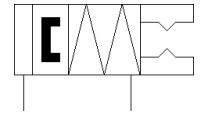
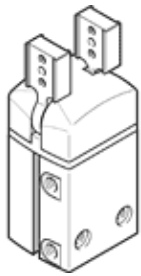


# Radial gripper DHRS-40-A-NC

Part number: 1310167

FESTO



## Data sheet

| Feature                                      | Value  |
|--|--|
| Size   | 40   |
| Max. replacement accuracy                    | $\leq 0.2$ mm  |
| Max. opening angle                           | 180 deg  |
| Rotationally symmetrical                     | $\leq 0.2$ mm  |
| Repetition accuracy, gripper                 | $\leq 0.1$ mm  |
| Number of gripper fingers                    | 2  |
| Assembly position                            | Any  |
| Mode of operation                            | double-acting  |
| Gripper function                             | radial   |
| Gripper force back-up                        | On closing   |
| Design structure                             | guided motion sequence   |
| Position detection                           | For proximity sensor   |
| Working pressure                             | 4 ... 8 bar  |
| Max. operating frequency of gripper          | $\leq 2$ Hz  |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 151 ms   |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 110 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                       | 4.24 kgcm <sup>2</sup>   |
| Max. force on gripper jaw Fz static          | 200 N  |
| Max. torque at gripper Mx static             | 14 Nm  |
| Max. torque at gripper My static             | 14 Nm  |
| Max. torque at gripper Mz static             | 14 Nm  |
| Product weight                               | 844 g  |
| Mounting type                                | Internal thread and centering sleeve<br>With through-hole and centering sleeve<br>Optional |
| Pneumatic connection                         | G1/8   |
| Materials note                               | Conforms to RoHS   |
| Material cover cap                           | PA   |
| Material housing                             | Hard anodised wrought aluminium alloy  |
| Material gripper jaws                        | High alloy steel   |