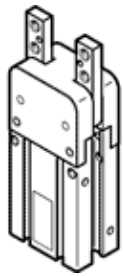


# Radial gripper DHRC-16-A-S-NO

Part number: 8128721

FESTO



## Data sheet

| Feature  | Value   |
|--|---|
| Size   | 16  |
| 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   |
| Drive system   | pneumatic   |
| Assembly position  | Any   |
| Mode of operation  | single-acting<br>open   |
| Gripper function   | radial  |
| Gripper force back-up                                    | On opening  |
| Design structure   | Connection direction at side<br>guided motion sequence  |
| Position detection                                       | For proximity sensor  |
| Operating pressure MPa                                   | 0.2 ... 0.8 MPa   |
| Working pressure   | 2 ... 8 bar   |
| Operating pressure                                       | 29 ... 116 psi  |
| Max. operating frequency of gripper                      | $\leq 2$ Hz   |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)             | 42 ms   |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)             | 21 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                  | 0 - No corrosion stress   |
| PWIS conformity  | VDMA24364-B2-L  |
| Ambient temperature                                      | -10 ... 60 °C   |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi) closing | 50.3 Ncm  |
| Mass moment of inertia                                   | 0.134 kgcm <sup>2</sup>   |
| Max. force on gripper jaw Fz static                      | 60 N  |
| Max. torque at gripper Mx static                         | 2 Nm  |
| Max. torque at gripper My static                         | 1 Nm  |
| Max. torque at gripper Mz static                         | 2 Nm  |
| Product weight   | 112.5 g   |
| Mounting type  | Direct mounting via through-holes<br>Direct mounting via threads<br>With through-hole and dowel pin<br>With internal thread and dowel pin<br>Optional |
| Pneumatic connection                                     | M3  |
| Materials note   | Conforms to RoHS  |
| Material cover cap                                       | Anodised wrought aluminium alloy  |
| Material housing   | Anodised wrought aluminium alloy  |
| Material gripper jaws                                    | High alloy steel  |