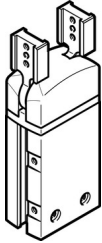


# Radial gripper DHRS-16-A-NC

Part number: 1310161

FESTO



## Data sheet

| Feature                                       | Value                                                                                             |
|-----------------------------------------------|---------------------------------------------------------------------------------------------------|
| Size                                          | 16                                                                                                |
| Max. interchangeability                       | ≤0.2 mm                                                                                           |
| Max. opening angle                            | 180 deg                                                                                           |
| Rotational symmetry                           | ≤0.2 mm                                                                                           |
| Pneumatic gripper repetition accuracy         | ≤0.1 mm                                                                                           |
| Type code                                     | DHRS                                                                                              |
| Number of gripper jaws                        | 2                                                                                                 |
| Mounting position                             | Any                                                                                               |
| Mode of operation                             | Double-acting                                                                                     |
| Gripper function                              | Radial                                                                                            |
| Gripping force backup                         | During closing                                                                                    |
| Design                                        | Positively driven motion sequence                                                                 |
| Position sensing                              | For proximity sensor                                                                              |
| Symbol                                        | 00991895                                                                                          |
| Operating pressure                            | 4 bar ... 8 bar                                                                                   |
| Max. operating frequency of pneumatic gripper | ≤4 Hz                                                                                             |
| Min. opening time at 6 bar                    | 75 ms                                                                                             |
| Min. closing time at 6 bar                    | 43 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)              | 1 - Low corrosion stress                                                                          |
| Ambient temperature                           | 5 °C ... 60 °C                                                                                    |
| Mass moment of inertia                        | 0.15 kgcm <sup>2</sup>                                                                            |
| Maximum force on gripper jaw Fz, static       | 40 N                                                                                              |
| Maximum torque on gripper jaw, Mx static      | 1.3 Nm                                                                                            |
| Maximum torque on gripper jaw, My static      | 1.3 Nm                                                                                            |
| Maximum torque on gripper jaw, Mz static      | 1.3 Nm                                                                                            |
| Product weight                                | 118 g                                                                                             |
| Type of mounting                              | With internal thread and centering sleeve<br>Via through-hole and centering sleeve<br>Optionally: |
| Pneumatic connection                          | M3                                                                                                |
| Note on materials                             | RoHS-compliant                                                                                    |
| Cover cap material                            | PA                                                                                                |
| Housing material                              | Wrought aluminum alloy<br>Hard-anodized                                                           |

| Feature              | Value            |
|----------------------|------------------|
| Gripper jaw material | High-alloy steel |