

Radial gripper DHR5-25-A-NC

Part number: 1310163

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|---|
| Size | 25 |
| Max. replacement accuracy | ≤0.2 mm |
| Max. opening angle | 180 deg |
| Rotationally symmetrical | ≤0.2 mm |
| Repetition accuracy, gripper | ≤0.1 mm |
| Number of gripper jaws | 2 |
| Mounting position | optional |
| Mode of operation | Double-acting |
| Gripper function | Radial |
| Gripper force back-up | During closing |
| Design | Force pilot operated motion sequence |
| Position detection | Via proximity switch |
| Symbol | 00991895 |
| Operating pressure | 4 bar ... 8 bar |
| Max. operating frequency of gripper | ≤3 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 150 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 96 ms |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 1 - Low corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Suitability for the production of Li-ion batteries | Metals with more than 5% by mass of copper are excluded from use. Exceptions are printed circuit boards, cables, electrical plug connectors and coils |
| Ambient temperature | 5 °C ... 60 °C |
| Mass moment of inertia | 0.71 kgcm ² |
| Max. force on gripper jaw Fz static | 75 N |
| Max. torque at gripper Mx static | 3.2 Nm |
| Max. torque at gripper My static | 3.2 Nm |
| Max. torque at gripper Mz static | 3.2 Nm |
| Product weight | 277 g |
| Type of mounting | Either: Via female thread and centring sleeve Via through-hole and centring sleeve |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |

| Feature | Value |
|-----------------------|---------------------------------------|
| Material cover cap | PA |
| Material housing | Hard anodised wrought aluminium alloy |
| Material gripper jaws | High-alloy steel |