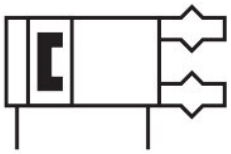
# Radial gripper
# DHRS-32-A

Part number: 1310164





## Data sheet

| Feature | Value |
|---|---|
| Size | 32 |
| Max. interchangeability | 0.2 mm |
| Max. opening angle | 180 deg |
| Rotational symmetry | 0.2 mm |
| Pneumatic gripper repetition accuracy | 0.1 mm |
| Number of gripper jaws | 2 |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Gripper function | Radial |
| Structural design | Positively driven motion sequence |
| Position sensing | Via proximity switch |
| Operating pressure | 2 bar...8 bar |
| Max. operating frequency of pneumatic gripper | 3 Hz |
| Min. opening time at 6 bar | 111 ms |
| Min. closing time at 6 bar | 119 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 |
| 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. This excludes printed circuit boards, cables, electrical connectors and coils. |
| Ambient temperature | 5 °C...60 °C |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 423 Ncm |
| Total gripping torque at 6 bar, closing | 390 Ncm |
| Mass moment of inertia | 1.66 kgcm² |
| Maximum force on gripper jaw Fz, static | 120 N |
| Maximum torque on gripper jaw, Mx static | 6.2 Nm |
| Maximum torque on gripper jaw, My static | 6.2 Nm |
| Maximum torque on gripper jaw, Mz static | 6.2 Nm |
| Product weight | 480 g |
| Type of mounting | Alternatively: |

| Feature | Value |
|---|---|
| | With internal thread and centering sleeve<br>Via through-hole and centering sleeve |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS compliant |
| Cover cap material | PA |
| Housing material | Wrought aluminum alloy, hard-anodized |
| Gripper jaw material | High-alloy steel |