

Angled gripper DHWS-40-A

Part number: 1310184

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|---|---|
| Size | 40 |
| Max. interchangeability | ≤0.2 mm |
| Max. opening angle | 40 deg |
| Rotational symmetry | ≤0.2 mm |
| Pneumatic gripper repetition accuracy | ≤0.04 mm |
| Number of gripper jaws | 2 |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Gripper function | Angle |
| Structural design | Lever |
| Position sensing | For proximity sensor |
| Symbol | 00991894 |
| Operating pressure | 2 bar ... 8 bar |
| Max. operating frequency of pneumatic gripper | ≤3 Hz |
| Min. opening time at 6 bar | 63 ms |
| Min. closing time at 6 bar | 96 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. Exception are 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 | 1497 Ncm |
| Total gripping torque at 6 bar, closing | 1362 Ncm |
| Mass moment of inertia | 3.81 kgcm ² |
| Maximum force on gripper jaw Fz, static | 200 N |
| Maximum torque on gripper jaw, Mx static | 13 Nm |
| Maximum torque on gripper jaw, My static | 13 Nm |
| Maximum torque on gripper jaw, Mz static | 13 Nm |
| Product weight | 775 g |
| Type of mounting | Optionally: With internal thread and centering sleeve Via through-hole and centering sleeve |
| Pneumatic connection | G1/8 |

| Feature | Value |
|----------------------|---|
| Note on materials | RoHS-compliant |
| Cover cap material | PA |
| Housing material | Wrought aluminum alloy Hard-anodized |
| Gripper jaw material | High-alloy steel |