

Radial gripper HGRT-32-A

Part number: 563910

FESTO



[PDF](#) General operating condition

Data sheet

| Feature | Value |
|---|--|
| Size | 32 |
| Max. interchangeability | ≤0.2 mm |
| Max. gripper jaw angular play ax, ay | ≤0.1 deg |
| Max. opening angle | 180 deg |
| Rotational symmetry | ≤0.2 mm |
| Pneumatic gripper repetition accuracy | ≤0.02 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 | For proximity sensor For inductive proximity sensors |
| Symbol | 00991894 |
| Operating pressure | 3 bar ... 8 bar |
| Max. operating frequency of pneumatic gripper | ≤3 Hz |
| Min. opening time at 6 bar | 359 ms |
| Min. closing time at 6 bar | 403 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-B1/B2-L |
| Ambient temperature | 5 °C ... 60 °C |
| Total gripping torque at 0.6 MPa (6 bar, 87 psi), opening | 2024 Ncm |
| Total gripping torque at 6 bar, closing | 1856 Ncm |
| Mass moment of inertia | 4.62 kgcm ² |
| Maximum force on gripper jaw Fz, static | 280 N |
| Maximum torque on gripper jaw, My static | 13.5 Nm |
| Maximum torque on gripper jaw, Mz static | 1.3 Nm |
| Relubrication interval for guidance elements | 10 MioCyc |
| Product weight | 840 g |
| Type of mounting | With internal thread and centering sleeve |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Housing material | Wrought aluminum alloy, smooth-anodized |

| Feature | Value |
|----------------------|----------------|
| Gripper jaw material | Hardened steel |