

Radial gripper HGRT-50-A-G2

Part number: 563915

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size | 50 |
| 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 |
| Gripping force backup | During closing |
| Structural design | Positively driven motion sequence |
| Position sensing | For proximity sensor For inductive proximity sensors |
| Operating pressure | 4 bar...8 bar |
| Max. operating frequency of pneumatic gripper | 2 Hz |
| Min. opening time at 6 bar | 490 ms |
| Min. closing time at 6 bar | 355 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 |
| Mass moment of inertia | 47.7 kgcm ² |
| Maximum force on gripper jaw Fz, static | 1200 N |
| Maximum torque on gripper jaw, My static | 35 Nm |
| Maximum torque on gripper jaw, Mz static | 10 Nm |
| Relubrication interval for guidance elements | 10 MioCyc |
| Product weight | 3500 g |
| Type of mounting | With internal thread and centering sleeve |
| Pneumatic connection | G1/8 |
| Note on materials | RoHS-compliant |

| Feature | Value |
|----------------------|---|
| Housing material | Wrought aluminum alloy, smooth-anodized |
| Gripper jaw material | Hardened steel |