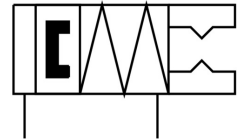
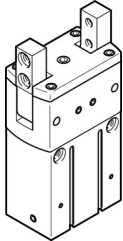


Radial gripper HGRT-20-A-G2

Part number: 563907

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size | 20 |
| 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 |
| Type code | HGRT |
| Number of gripper jaws | 2 |
| Mounting position | Any |
| Mode of operation | Double-acting |
| Gripper function | Radial |
| Design | Positively driven motion sequence |
| Position sensing | For proximity sensor For inductive proximity sensors |
| Symbol | 00991895 |
| Operating pressure | 4 bar ... 8 bar |
| Max. operating frequency of pneumatic gripper | ≤3 Hz |
| Min. opening time at 6 bar | 372 ms |
| Min. closing time at 6 bar | 295 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 |
| Ambient temperature | 5 °C ... 60 °C |
| Mass moment of inertia | 0.81 kgcm ² |
| Maximum force on gripper jaw Fz, static | 100 N |
| Maximum torque on gripper jaw, My static | 6.2 Nm |
| Maximum torque on gripper jaw, Mz static | 0.5 Nm |
| Relubrication interval for guidance elements | 10 MioCyc |
| Product weight | 320 g |
| Type of mounting | With internal thread and centering sleeve |
| Pneumatic connection | M5 |
| Note on materials | Free of copper and PTFE RoHS-compliant |
| Housing material | Aluminum Smooth anodized |
| Gripper jaw material | Steel Hardened |