

Parallel gripper HGPP-10-A-G1

Part number: 525659

FESTO



 [General operating condition](#)

Data sheet

| Feature | Value |
|--|--|
| Size | 10 |
| Stroke per gripper jaws | 2 mm |
| Max. replacement accuracy | 0.1 mm |
| Max. angular gripper jaw backlash ax, ay | 0 deg |
| Max. gripper jaw backlash Sz | 0 mm |
| Rotationally symmetrical | 0.05 mm |
| Repetition accuracy, gripper | ≤0.02 mm |
| Number of gripper jaws | 2 |
| Drive system | Pneumatic |
| Mode of operation | Double-acting |
| Gripper function | Parallel |
| Gripper force back-up | During opening |
| Design | Rack and pinion |
| Position detection | Via Hall sensor Via inductive sensors |
| Symbol | 00995947 |
| Operating pressure | 5 bar ... 8 bar |
| Max. operating frequency of gripper | 4 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 24 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 95 ms |
| Max. mass per external gripper finger | 50 g |
| Operating medium | Compressed air to ISO 8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (in which case lubricated operation will always be required) |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | 5 °C ... 60 °C |
| Mass moment of inertia | 0.45 kgcm ² |
| Max. force on gripper jaw Fz static | 40 N |
| Max. torque at gripper Mx static | 1.5 Nm |
| Max. torque at gripper My static | 1.5 Nm |
| Max. torque at gripper Mz static | 1.5 Nm |
| Product weight | 127 g |
| Type of mounting | Via female thread |
| Pneumatic connection | M3 |
| Note on materials | RoHS-compliant |

| Feature | Value |
|-----------------------|--|
| Material cover cap | POM |
| Material housing | Hard anodised wrought aluminium alloy |
| Material gripper jaws | Wrought aluminium alloy, nickel-plated |