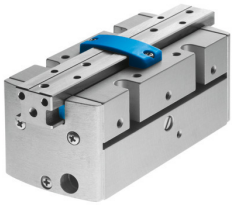
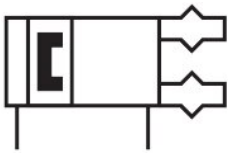
# Parallel gripper
# HGPP-12-A

Part number: 187867





## Data sheet

| Feature | Value |
|---|---|
| Size | 12 |
| Stroke per gripper jaw | 2.5 mm |
| Max. interchangeability | 0.1 mm |
| Max. gripper jaw angular play ax, ay | 0 deg |
| Max. gripper jaw backlash Sz | 0 mm |
| Rotational symmetry | 0.05 mm |
| Pneumatic gripper repetition accuracy | 0.02 mm |
| Number of gripper jaws | 2 |
| Actuator system | Pneumatic |
| Mode of operation | Double-acting |
| Gripper function | Parallel |
| Gripping force backup | None |
| Structural design | Gear rack/pinion |
| Position sensing | For Hall sensor<br>For inductive sensors |
| Operating pressure | 2 bar...8 bar |
| Max. operating frequency of pneumatic gripper | 4 Hz |
| Min. opening time at 6 bar | 27 ms |
| Min. closing time at 6 bar | 40 ms |
| Max. mass per external gripper finger | 100 g |
| 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) | 2 - Moderate corrosion stress |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Ambient temperature | 5 °C...60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 116 N<br>58 N |
| Gripping force per gripper jaw at 6 bar, closing | 116 N<br>58 N |
| Mass moment of inertia | 0.73 kgcm² |
| Maximum force on gripper jaw Fz, static | 70 N |
| Maximum torque on gripper jaw, Mx static | 3 Nm |

| Feature | Value |
|---|---|
| Maximum torque on gripper jaw, My static | 3 Nm |
| Maximum torque on gripper jaw, Mz static | 3 Nm |
| Product weight | 172 g |
| Type of mounting | With internal thread |
| Pneumatic connection | M3 |
| Note on materials | RoHS compliant |
| Cover cap material | POM |
| Housing material | Wrought aluminum alloy, hard-anodized |
| Gripper jaw material | Wrought aluminum alloy, nickel-plated |