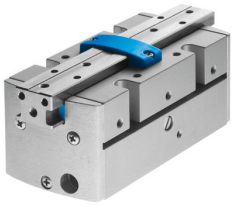
# Parallel gripper
# HGPP-25-A-G2

Part number: 525663



## Data sheet

| Feature | Value |
|---|---|
| Size | 25 |
| Stroke per gripper jaws | 10 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 closing |
| Design | Rack and pinion |
| Position detection | Via Hall sensor<br>Via inductive sensors |
| Operating pressure | 5 bar...8 bar |
| Max. operating frequency of gripper | 4 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 105 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 90 ms |
| Max. mass per external gripper finger | 250 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 | 16.85 kgcm² |
| Max. force on gripper jaw Fz static | 380 N |
| Max. torque at gripper Mx static | 21 Nm |
| Max. torque at gripper My static | 21 Nm |
| Max. torque at gripper Mz static | 21 Nm |
| Product weight | 898 g |

| Feature | Value |
|---|---|
| Type of mounting | Via female thread |
| Pneumatic connection | M5 |
| Note on materials | RoHS-compliant |
| Material cover cap | POM |
| Material housing | Hard anodised wrought aluminium alloy |
| Material gripper jaws | Wrought aluminium alloy, nickel-plated |