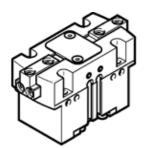
parallel gripper HGPT-25-A-B-G1 Part number: 560205

FESTO

sturdy, with gripping force retention when opening ...-G1.





Data sheet

| Feature | Value |
|--|--|
| Size | 25 |
| Stroke per gripper jaw | 6 mm |
| Max. replacement accuracy | <= 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | <= 0.1 deg |
| Max. gripper jaw backlash Sz | <= 0.02 mm |
| Rotationally symmetrical | <= 0.2 mm |
| Repetition accuracy, gripper | <= 0.04 mm |
| Number of gripper fingers | 2 |
| Drive system | pneumatic |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Gripper force back-up | On opening |
| Design structure | Inclined plane |
| See St. St. acta. C | guided motion sequence |
| Position detection | For proximity sensor |
| Operating pressure | 4 8 bar |
| Operating pressure, sealing air | 0 0.5 bar |
| Max. operating frequency of gripper | <= 3 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) | 48 ms |
| Max. mass per external gripper finger | 110 g |
| Operating medium | Compressed air in accordance with ISO8573-1:2010 [7:4:4] |
| Note on operating and pilot medium | Lubricated operation possible (subsequently required for further |
| Note on operating and prior medium | operation) |
| Corrosion resistance classification CRC | 2 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B1/B2-L |
| Protection class | IP40 |
| Ambient temperature | 5 60 °C |
| Mass moment of inertia | 1.479 kgcm2 |
| Max. force on gripper jaw Fz static | 1,200 N |
| Max. torque at gripper Mx static | 50 Nm |
| Max. torque at gripper My static | 45 Nm |
| Max. torque at gripper Mz static | 35 Nm |
| Lubrication interval for guide components | 5 Mio SP |
| Product weight | 353 g |
| Mounting type | Internal thread and centring sleeve |
| | With through-hole and centring sleeve |
| | With through-hole and dowel pin |
| | With internal thread and dowel pin |
| | Optional |
| Pneumatic connection, sealing air | M5 |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover cap | High alloy steel, non-corrosive |
| Material housing | Anodised aluminium |
| Material gripper jaws | Steel, hardened |