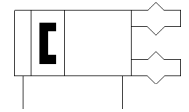
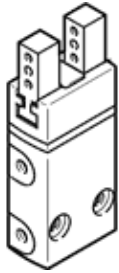


parallel gripper DHPS-6-A

Part number: 1254039
★ Core product range

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size | 6 |
| Stroke per gripper jaw | 2 mm |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | < 1 deg |
| Max. gripper jaw backlash Sz | < 0.02 mm |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | < 0.02 mm |
| Number of gripper fingers | 2 |
| Drive system | pneumatic |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Gripper force back-up | No |
| Design structure | Lever guided motion sequence |
| Guide | Plain-bearing guide |
| Position detection | For Hall sensors |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening | 30 N |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing | 25 N |
| Operating pressure MPa | 0.2 ... 0.8 MPa |
| Operating pressure | 2 ... 8 bar 29 ... 116 psi |
| Max. operating frequency of gripper | 4 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 8 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 17 ms |
| Max. mass per external gripper finger | 10 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 operation) |
| Corrosion resistance classification CRC | 1 - Low corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| RSBP classification to CD-0033 | F5 |
| Ambient temperature | 5 ... 60 °C |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 15 N |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 13.5 N |
| Mass moment of inertia | 0.008 kgcm ² |
| Max. force on gripper jaw Fz static | 10 N |
| Max. torque at gripper Mx static | 0.5 Nm |
| Max. torque at gripper My static | 0.5 Nm |
| Max. torque at gripper Mz static | 0.5 Nm |
| Lubrication interval for guide components | 10 Mio SP |
| Product weight | 19 g |
| Mounting type | Internal thread and centring sleeve With through-hole and centring sleeve Optional |
| Pneumatic connection | M3 |
| Materials note | Conforms to RoHS |
| Material cover cap | PA |
| Material housing | Hard anodised wrought aluminium alloy |
| Material gripper jaws | High alloy steel, non-corrosive |