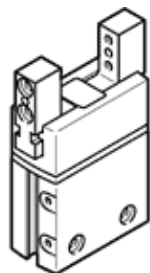


parallel gripper DHPS-16-A-NO

Part number: 1254044

FESTO



Data sheet

| Feature | Value |
|---|--|
| Size | 16 |
| Stroke per gripper jaw | 5 mm |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | < 0.5 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 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Gripper force back-up | On opening |
| Design structure | Lever guided motion sequence |
| Guide | Plain-bearing guide |
| Position detection | For proximity sensor |
| Operating pressure | 4 ... 8 bar |
| Max. operating frequency of gripper | 3 Hz |
| Min. opening time at 6 bar | 32 ms |
| Min. closing time at 6 bar | 50 ms |
| 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 |
| Ambient temperature | 5 ... 60 °C |
| Mass moment of inertia | 0.472 kgcm ² |
| Max. force on gripper jaw Fz static | 150 N |
| Max. torque at gripper Mx static | 8 Nm |
| Max. torque at gripper My static | 8 Nm |
| Max. torque at gripper Mz static | 8 Nm |
| Lubrication interval for guide components | 10 Mio SP |
| Max. ground per external gripper finger | 150 g |
| Product weight | 188 g |
| Mounting type | Optional Internal thread and centring sleeve With through-hole and centring sleeve |
| Pneumatic connection | M3 |
| Materials note | Conforms to RoHS |
| Material cover cap | PA |
| Material housing | Wrought Aluminium alloy Hard anodised |
| Material gripper jaws | High alloy steel, non-corrosive |