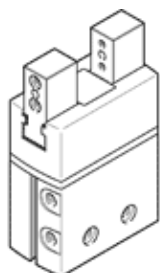


parallel gripper DHPS-35-A

Part number: 1254052

FESTO



Data sheet

| Feature | values |
|--|--|
| Size | 35 |
| Stroke per gripper jaw | 12.5 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 |
| Design structure | Lever guided motion sequence |
| Guide | Plain-bearing guide |
| Position detection | For proximity sensor |
| Total force at 6 bar, opening | 970 N |
| Total force at 6 bar, closing | 910 N |
| Operating pressure | 2 ... 8 bar |
| Max. operating frequency of gripper | 2 Hz |
| Min. opening time at 6 bar | 95 ms |
| Min. closing time at 6 bar | 123 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 |
| Gripping force per gripper jaw at 6 bar, opening | 483 N |
| Gripping force per gripper jaw at 6 bar, closing | 450 N |
| Mass moment of inertia | 12.7 kgcm ² |
| Max. force on gripper jaw Fz static | 450 N |
| Max. torque at gripper Mx static | 50 Nm |
| Max. torque at gripper My static | 50 Nm |
| Max. torque at gripper Mz static | 50 Nm |
| Lubrication interval for guide components | 10 Mio SP |
| Max. ground per external gripper finger | 450 g |
| Product weight | 1,285 g |
| Mounting type | Optional Internal thread and centring sleeve With through-hole and centring sleeve |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Materials information for cover cap | PA |
| Materials information, housing | Wrought Aluminium alloy Hard anodised |
| Materials information for gripper jaws | High alloy steel, non-corrosive |