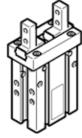
Parallel gripper DHPC-40-A-B-1 Part number: 8116898







Data sheet

| Feature | Value |
|---|--|
| Size | 40 |
| Stroke per gripper jaw | 15 mm |
| Max. replacement accuracy | 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | 0 deg |
| Max. gripper jaw backlash Sz | 0 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 | On opening |
| Design structure | Connection direction underneath |
| - | Lever |
| | Sideways mounting of gripper fingers |
| | guided motion sequence |
| Guide | Ball guide |
| Position detection | For proximity sensor |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening | 777.2 N |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing | 717.2 N |
| Operating pressure MPa | 0.1 0.8 MPa |
| Working pressure | 1 8 bar |
| Operating pressure | 14.5 116 psi |
| Max. operating frequency of gripper | 1 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 158 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 153 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 | 0 - No corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | -10 60 °C |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 388.6 N |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 358.6 N |
| Mass moment of inertia | 15.49 kgcm2 |
| Max. force on gripper jaw Fz static | 245 N |
| Max. torque at gripper Mx static | 2.3 Nm |
| Max. torque at gripper My static | 4.5 Nm |
| Max. torque at gripper Mz static | 2.3 Nm |
| Product weight | 1,408 g |
| Mounting type | Direct mounting via through-holes |
| - '' | Direct mounting via threads |
| | On mounting frame |
| | With through-hole and dowel pin |
| | With internal thread and dowel pin |



| Feature | Value |
|-----------------------|---------------------------------|
| | Optional |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material housing | Anodised aluminium |
| Material gripper jaws | High alloy steel, non-corrosive |