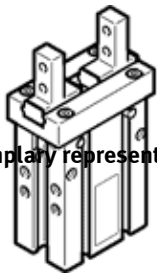


Parallel gripper DHPC-...-25-A-

Part number: 8116732

FESTO



Exemplary representation

Data sheet

Overall data sheet – Individual values depend upon your configuration.

| Feature | Value |
|---|--|
| Size | 25 |
| Stroke per gripper jaw | 7 ... 11 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 single-acting open closed |
| Gripper function | Parallel |
| Gripper force back-up | No |
| Design structure | Connection via mounting spigot Connection direction at side Connection direction underneath Flat mounting of gripper fingers Lever Sideways mounting of gripper fingers Standard mounting of gripper fingers guided motion sequence |
| Guide | Ball guide |
| Position detection | For proximity sensor |
| Variants | Recommended for production facilities for the manufacture of lithium-ion batteries |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening | 291.4 ... 305.3 N |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing | 241.3 ... 255.6 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 | 3 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 79 ... 176 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 38 ... 93 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 | 145.7 ... 152.6 N |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 120.6 ... 127.8 N |

| Feature | Value |
|-------------------------------------|--|
| Mass moment of inertia | 1.59 ... 2.34 kgcm ² |
| Max. force on gripper jaw Fz static | 127.5 N |
| Max. torque at gripper Mx static | 0.97 Nm |
| Max. torque at gripper My static | 1.94 Nm |
| Max. torque at gripper Mz static | 0.97 Nm |
| Product weight | 437 ... 571 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 Optional |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material housing | Anodised aluminium |
| Material gripper jaws | High alloy steel, non-corrosive |