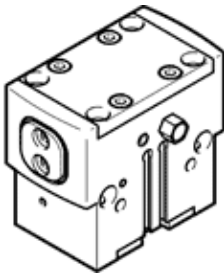


Parallel gripper HGPD-25-A-G2

Part number: 1132944

FESTO

With gripping force backup when closing...-G2.



Data sheet

| Feature | values |
|---|---|
| Size | 25 |
| Stroke per gripper jaw | 6 mm |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | ≤ 0.1 deg |
| Max. gripper jaw backlash Sz | ≤ 0.02 mm |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | ≤ 0.04 mm |
| Number of gripper fingers | 2 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Gripper force back-up | On closing |
| Design structure | Inclined plane guided motion sequence |
| Position detection | For proximity sensor |
| Working pressure | 4 ... 8 bar |
| Working pressure, sealing air | 0 ... 0.5 bar |
| Max. operating frequency of gripper | ≤ 3 Hz |
| Min. opening time at 6 bar | 48 ms |
| Min. closing time at 6 bar | 28 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 | 2 |
| Ambient temperature | 5 ... 60 °C |
| Mass moment of inertia | 1.72 kgcm ² |
| Max. torque at gripper Mx static | 30 Nm |
| Max. torque at gripper My static | 25 Nm |
| Max. torque at gripper Mz static | 15 Nm |
| Lubrication interval for guide components | 5,000,000 Mio SP |
| Max. ground per external gripper finger | 138 g |
| Product weight | 361 g |
| Mounting type | Optional Internal thread and centering sleeve With through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin |
| Pneumatic connection, sealing air | M5 |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Materials information for cover cap | High alloy steel, non-corrosive |
| Materials information, housing | Aluminum Anodized |
| Materials information for gripper jaws | Steel Hardened |