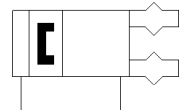
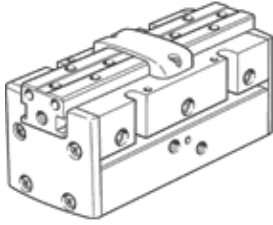


Parallel gripper HGPP-20-A

Part number: 187873

FESTO

Precise, for position sensing via hall effect sensor or inductive sensors.



Data sheet

| Feature | Value |
|---|---|
| Size | 20 |
| Stroke per gripper jaw | 7.5 mm |
| Max. replacement accuracy | 0.1 mm |
| Repetition accuracy, gripper | ≤ 0.02 mm |
| Number of gripper fingers | 2 |
| Drive system | pneumatic |
| Mode of operation | double-acting |
| Gripper function | Parallel |
| Gripper force back-up | No |
| Design structure | Rack and pinion |
| Position detection | For Hall sensors For inductive sensors |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening | 340 N |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing | 340 N |
| Working pressure | 2 ... 8 bar |
| Max. operating frequency of gripper | 4 Hz |
| Min. opening time at 0.6 MPa (6 bar, 87 psi) | 44 ms |
| Min. closing time at 0.6 MPa (6 bar, 87 psi) | 59 ms |
| Max. mass per external gripper finger | 200 g |
| 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 - Moderate corrosion stress |
| PWIS conformity | VDMA24364-B2-L |
| Ambient temperature | 5 ... 60 °C |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 170 N |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 170 N |
| Max. force on gripper jaw Fz static | 220 N |
| Max. torque at gripper Mx static | 14 Nm |
| Max. torque at gripper My static | 14 Nm |
| Max. torque at gripper Mz static | 14 Nm |
| Product weight | 604 g |
| Mounting type | with internal (female) thread |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover cap | POM |
| Material housing | Hard anodised wrought aluminium alloy |
| Material gripper jaws | Wrought aluminium alloy, nickel-plated |