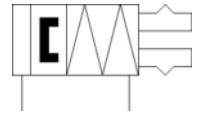
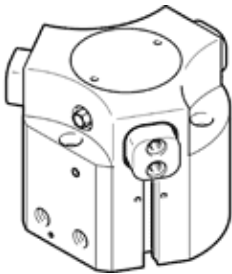


Three-point gripper HGDD-50-A-G1

Part number: 1163044

FESTO

With gripping force backup when opening ...-G1.



Data sheet

| Feature | values |
|---|---|
| Size | 50 |
| Stroke per gripper jaw | 8 mm |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | ≤ 0.1 deg |
| Max. gripper jaw backlash Sz | ≤ 0.05 mm |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | ≤ 0.03 mm |
| Number of gripper fingers | 3 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | 3-point |
| Gripper force back-up | On opening |
| 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 | ≤ 4 Hz |
| Min. opening time at 6 bar | 25 ms |
| Min. closing time at 6 bar | 160 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 | 15.07 kgcm ² |
| Max. force on gripper jaw Fz static | 1,300 N |
| Max. torque at gripper Mx static | 45 Nm |
| Max. torque at gripper My static | 30 Nm |
| Max. torque at gripper Mz static | 30 Nm |
| Lubrication interval for guide components | 5 Mio SP |
| Max. ground per external gripper finger | 276 g |
| Product weight | 1,495 g |
| Mounting type | Optional With through-hole and dowel pin With internal thread and dowel pin |
| Pneumatic connection, sealing air | M5 |
| Pneumatic connection | G1/8 |
| Materials note | Conforms to RoHS |
| Materials information for cover cap | High alloy steel, non-corrosive |
| Materials information, housing | Wrought Aluminum alloy Smooth anodized |
| Materials information for gripper jaws | Steel Hardened |