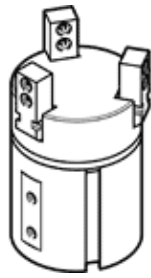


three-point gripper DHDS-32-A

Part number: 1259493

FESTO



Data sheet

| Feature | Value |
|--|---|
| Size | 32 |
| Stroke per gripper jaw | 3.9 mm |
| Max. replacement accuracy | ≤ 0.2 mm |
| Max. angular gripper jaw backlash ax,ay | ≤ 0.2 deg |
| Max. gripper jaw backlash Sz | ≤ 0.02 mm |
| Rotationally symmetrical | ≤ 0.2 mm |
| Repetition accuracy, gripper | ≤ 0.04 mm |
| Number of gripper fingers | 3 |
| Assembly position | Any |
| Mode of operation | double-acting |
| Gripper function | 3-point |
| Design structure | Lever guided motion sequence |
| Position detection | For proximity sensor |
| Total force at 6 bar, opening | 405 N |
| Total force at 6 bar, closing | 345 N |
| Operating pressure | 2 ... 8 bar |
| Max. operating frequency of gripper | ≤ 4 Hz |
| Min. opening time at 6 bar | 44 ms |
| Min. closing time at 6 bar | 51 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 | 1 - Low corrosion stress |
| Ambient temperature | 5 ... 60 °C |
| Gripping force per gripper jaw at 6 bar, opening | 135 N |
| Gripping force per gripper jaw at 6 bar, closing | 115 N |
| Mass moment of inertia | 0.79 kgcm ² |
| Max. force on gripper jaw Fz static | 150 N |
| Max. torque at gripper Mx static | 9 Nm |
| Max. torque at gripper My static | 9 Nm |
| Max. torque at gripper Mz static | 9 Nm |
| Lubrication interval for guide components | 10 Mio SP |
| Max. ground per external gripper finger | 150 g |
| Product weight | 276 g |
| Mounting type | With internal thread and dowel pin |
| Pneumatic connection | M5 |
| Materials note | Conforms to RoHS |
| Material cover cap | PA |
| Material housing | Wrought Aluminium alloy Hard anodised |
| Material gripper jaws | High alloy steel, non-corrosive |