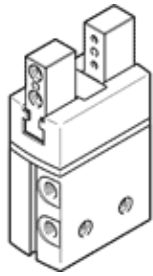


# Parallel gripper DHPS-25-A-NC

Part number: 1254051

FESTO



## Data sheet

| Feature                                   | values   |
|---|--|
| Size                                      | 25   |
| Stroke per gripper jaw                    | 7.5 mm   |
| Max. replacement accuracy                 | $\leq 0.2$ mm  |
| Max. angular gripper jaw backlash ax,ay   | $< 0.5$ deg  |
| Max. gripper jaw backlash Sz              | $< 0.02$ mm  |
| Rotationally symmetrical                  | $\leq 0.2$ mm  |
| Repetition accuracy, gripper              | $< 0.02$ 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                          | Lever<br>guided motion sequence  |
| Guide                                     | Plain-bearing guide  |
| Position detection                        | For proximity sensor   |
| Working pressure                          | 4 ... 8 bar  |
| Max. operating frequency of gripper       | 2 Hz   |
| Min. opening time at 6 bar                | 68 ms  |
| Min. closing time at 6 bar                | 52 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  |
| Ambient temperature                       | 5 ... 60 °C  |
| Mass moment of inertia                    | 3.835 kgcm <sup>2</sup>  |
| Max. force on gripper jaw Fz static       | 350 N  |
| Max. torque at gripper Mx static          | 30 Nm  |
| Max. torque at gripper My static          | 30 Nm  |
| Max. torque at gripper Mz static          | 30 Nm  |
| Lubrication interval for guide components | 10 Mio SP  |
| Max. ground per external gripper finger   | 350 g  |
| Product weight                            | 713 g  |
| Mounting type                             | Optional<br>Internal thread and centering sleeve<br>With through-hole and centering sleeve |
| Pneumatic connection                      | G1/8   |
| Materials note                            | Conforms to RoHS   |
| Materials information for cover cap       | PA   |
| Materials information, housing            | Wrought Aluminum alloy<br>Hard anodized  |
| Materials information for gripper jaws    | High alloy steel, non-corrosive  |