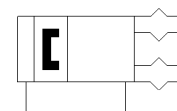
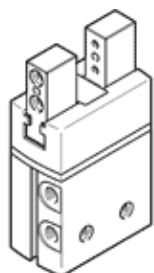


# parallel gripper DHPS-25-A

Part number: 1254049

FESTO



## Data sheet

| Feature  | Value  |
|--|--|
| 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   |
| Design structure                                 | Lever<br>guided motion sequence  |
| Guide  | Plain-bearing guide  |
| Position detection                               | For proximity sensor   |
| Total force at 6 bar, opening                    | 500 N  |
| Total force at 6 bar, closing                    | 450 N  |
| Operating pressure                               | 2 ... 8 bar  |
| Max. operating frequency of gripper              | 2 Hz   |
| Min. opening time at 6 bar                       | 48 ms  |
| Min. closing time at 6 bar                       | 63 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 | 249 N  |
| Gripping force per gripper jaw at 6 bar, closing | 228 N  |
| Mass moment of inertia                           | 3.831 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. mass per external gripper finger            | 350 g  |
| Product weight                                   | 700 g  |
| Mounting type                                    | Internal thread and centring sleeve<br>With through-hole and centring sleeve<br>Optional |
| Pneumatic connection                             | G1/8   |
| Materials note                                   | Conforms to RoHS   |
| Material cover cap                               | PA   |
| Material housing                                 | Wrought Aluminium alloy<br>Hard anodised   |
| Material gripper jaws                            | High alloy steel, non-corrosive  |