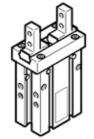
## parallel gripper DHPC-40-A-S Part number: 8116894



## **Data sheet**

| Feature   | Value   |
|---|---|
| Size  | 40  |
| Stroke per gripper jaw  | 15 mm   |
| Max. replacement accuracy   | 0.2 mm  |
| Max. angular gripper jaw backlash ax,ay                           | 0 deg   |
| Max. gripper jaw backlash Sz                                      | 0 mm  |
| Rotationally symmetrical  | <= 0.2 mm   |
| Repetition accuracy, gripper                                      | <= 0.02 mm  |
| Number of gripper fingers   | 2   |
| Drive system  | pneumatic   |
| Assembly position   | Any   |
| Mode of operation   | double-acting   |
| Gripper function  | Parallel  |
| Gripper force back-up   | On opening  |
| Design structure  | Connection direction on the side  |
| มียรายา รถินต์ในเด  | Lever   |
|   |   |
|   | Standard mounting of gripper fingers  |
| Cuide   | guided motion sequence  |
| Guide   | Ball guide  |
| Position detection  | For proximity sensor  |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening          | 777.2 N   |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), closing          | 717.2 N   |
| Operating pressure MPa  | 0.1 0.8 MPa   |
| Operating pressure  | 1 8 bar   |
|   | 14.5 116 psi  |
| Max. operating frequency of gripper                               | 1 Hz  |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)                      | 158 ms  |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)                      | 153 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                           | 0 - No corrosion stress   |
| PWIS conformity   | VDMA24364-B2-L  |
| Ambient temperature   | -10 60 °C   |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 388.6 N   |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) closing | 358.6 N   |
| Mass moment of inertia  | 14.87 kgcm2   |
| Max. force on gripper jaw Fz static                               | 245 N   |
| Max. torque at gripper Mx static                                  | 2.3 Nm  |
| Max. torque at gripper My static                                  | 4.5 Nm  |
| Max. torque at gripper Mz static                                  | 2.3 Nm  |
| Product weight  | 1,369 g   |
| Mounting type   | Direct mounting via through-holes   |
|   | Direct mounting via threads   |
|   | On mounting frame   |
|   | With through-hole and dowel pin   |
|   |   |
|   | With internal thread and dowel pin  |



**FESTO** 

## FESTO

| Feature               | Value                           |
|-----------------------|---------------------------------|
|                       | Optional                        |
| Pneumatic connection  | M5                              |
| Materials note        | Conforms to RoHS                |
| Material housing      | Anodised aluminium              |
| Material gripper jaws | High alloy steel, non-corrosive |