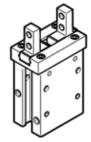
## parallel gripper DHPC-L-10-A-NC-S Part number: 8116780







## **Data sheet**

| Feature   | Value   |
|---|---|
| Size  | 10  |
| Stroke per gripper jaw  | 4 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   | single-acting   |
|   | closed  |
| Gripper function  | Parallel  |
| Gripper force back-up   | On closing  |
| Design structure  | Connection direction on the side  |
| 5 65.5 61.4614.6  | Lever   |
|   | Standard mounting of gripper fingers  |
|   | guided motion sequence  |
| Guide   | Ball guide  |
| Position detection  | For proximity sensor  |
| Variants  | Recommended for production facilities for the manufacture of lithium-       |
| variants  | ion batteries   |
| Total gripping force at 0.6 MPa (6 bar, 87 psi), opening          | 39.2 N  |
| Operating pressure MPa  | 0.35 0.8 MPa  |
| Operating pressure  | 3.5 8 bar   |
|   | 50.75 116 psi   |
| Max. operating frequency of gripper                               | 3 Hz  |
| Min. opening time at 0.6 MPa (6 bar, 87 psi)                      | 25 ms   |
| Min. closing time at 0.6 MPa (6 bar, 87 psi)                      | 26 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  |
| RSBP classification to CD-0033                                    | F1a   |
| Ambient temperature   | -10 60 °C   |
| Gripping force per gripper jaw at 0.6 MPa (6 bar, 87 psi) opening | 19.6 N  |
| Mass moment of inertia  | 0.062 kgcm2   |
| Max. force on gripper jaw Fz static                               | 29 N  |
| Max. torque at gripper Mx static                                  | 0.13 Nm   |
| Max. torque at gripper My static                                  | 0.27 Nm   |
| Max. torque at gripper Mz static                                  | 0.13 Nm   |
| Product weight  | 66 g  |
| Mounting type   | Direct mounting via through-holes   |
| mounting type   | Direct mounting via through-notes   |
|   |   |
|   | With through-hole and dowel pin   |



| Feature               | Value                              |
|-----------------------|------------------------------------|
|                       | With internal thread and dowel pin |
|                       | Optional                           |
| Pneumatic connection  | M3                                 |
| Materials note        | Conforms to RoHS                   |
| Material housing      | Anodised aluminium                 |
| Material gripper jaws | High alloy steel, non-corrosive    |