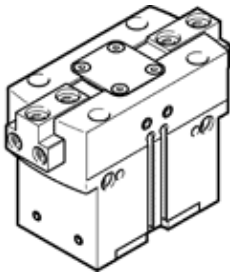


# parallel gripper HGPT-40-A-B-G1

Part number: 560217

FESTO

sturdy, with gripping force retention when opening ...-G1.



## Data sheet

| Feature                                   | Value   |
|---|---|
| Size                                      | 40  |
| Stroke per gripper jaw                    | 10 mm   |
| Max. replacement accuracy                 | ≤ 0.2 mm  |
| Max. angular gripper jaw backlash ax,ay   | ≤ 0.1 deg   |
| Max. gripper jaw backlash Sz              | ≤ 0.02 mm   |
| Rotationally symmetrical                  | ≤ 0.2 mm  |
| Repetition accuracy, gripper              | ≤ 0.05 mm   |
| Number of gripper fingers                 | 2   |
| Assembly position                         | Any   |
| Mode of operation                         | double-acting   |
| Gripper function                          | Parallel  |
| Gripper force back-up                     | On opening  |
| Design structure                          | Inclined plane<br>guided motion sequence  |
| Position detection                        | For proximity sensor  |
| Operating pressure                        | 4 ... 8 bar   |
| Operating pressure, sealing air           | 0 ... 0.5 bar   |
| Max. operating frequency of gripper       | ≤ 2 Hz  |
| Min. opening time at 6 bar                | 67 ms   |
| Min. closing time at 6 bar                | 135 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   | 2 - Moderate corrosion stress   |
| Protection class                          | IP40  |
| Ambient temperature                       | 5 ... 60 °C   |
| Mass moment of inertia                    | 10.99 kgcm <sup>2</sup>   |
| Max. force on gripper jaw Fz static       | 2,500 N   |
| Max. torque at gripper Mx static          | 100 Nm  |
| Max. torque at gripper My static          | 90 Nm   |
| Max. torque at gripper Mz static          | 75 Nm   |
| Lubrication interval for guide components | 5 Mio SP  |
| Max. mass per external gripper finger     | 310 g   |
| Product weight                            | 1,075 g   |
| Mounting type                             | Internal thread and centring sleeve<br>With through-hole and centring sleeve<br>With through-hole and dowel pin<br>With internal thread and dowel pin<br>Optional |
| Pneumatic connection, sealing air         | M5  |
| Pneumatic connection                      | M5  |
| Materials note                            | Free of copper and PTFE<br>Conforms to RoHS   |
| Material cover cap                        | High alloy steel, non-corrosive   |
| Material housing                          | Aluminium<br>Anodised   |
| Material gripper jaws                     | Steel<br>Hardened   |