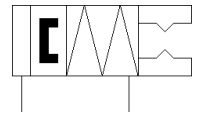
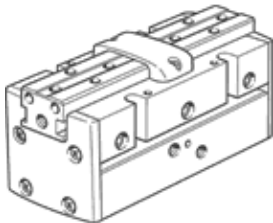


# parallel gripper HGPP-16-A-G2

Part number: 187872

FESTO

Precise, for position sensing via hall effect sensor or inductive sensors.  
With gripping force retention when closing...-G2.



## Data sheet

| Feature                                 | Value   |
|---|---|
| Size                                    | 16  |
| Stroke per gripper jaw                  | 5 mm  |
| Max. replacement accuracy               | 0.1 mm  |
| Repetition accuracy, gripper            | ≤ 0.02 mm   |
| Number of gripper fingers               | 2   |
| Mode of operation                       | double-acting   |
| Gripper function                        | Parallel  |
| Gripper force back-up                   | On closing  |
| Design structure                        | Rack and pinion   |
| Position detection                      | For Hall sensors<br>For inductive sensors                                   |
| Operating pressure                      | 5 ... 8 bar   |
| Max. operating frequency of gripper     | 4 Hz  |
| Min. opening time at 6 bar              | 57 ms   |
| Min. closing time at 6 bar              | 46 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   |
| Ambient temperature                     | 5 ... 60 °C   |
| Max. force on gripper jaw Fz static     | 130 N   |
| Max. torque at gripper Mx static        | 7 Nm  |
| Max. torque at gripper My static        | 7 Nm  |
| Max. torque at gripper Mz static        | 7 Nm  |
| Max. mass per external gripper finger   | 150 g   |
| Product weight                          | 317 g   |
| Mounting type                           | with internal (female) thread   |
| Pneumatic connection                    | M5  |
| Materials note                          | Free of copper and PTFE   |
| Material cover cap                      | POM   |
| Material housing                        | Wrought Aluminium alloy<br>Hard anodised                                    |
| Material gripper jaws                   | Wrought Aluminium alloy<br>Nickel plated                                    |