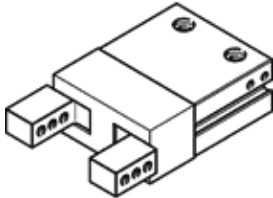


# Parallel gripper HGP-16-A-B-G2

Part number: 197547

FESTO

Self-centring, can be used as internal and external gripper, with facility for proximity position sensing, with gripper retention force, closing ...-G2.



## Data sheet

| Feature                                 | Value  |
|---|--|
| Size                                    | 16   |
| Stroke per gripper jaw                  | 5 mm   |
| Max. replacement accuracy               | 0.2 mm   |
| Repetition accuracy, gripper            | ≤ 0.04 mm  |
| Number of gripper fingers               | 2  |
| Mode of operation                       | double-acting  |
| Gripper function                        | Parallel   |
| Gripper force back-up                   | during closing, G2   |
| Design structure                        | Lever  |
| Position detection                      | For proximity sensor   |
| Operating pressure                      | 5 ... 8 bar  |
| Max. operating frequency of gripper     | 4 Hz   |
| Min. opening time at 6 bar              | 66 ms  |
| Min. closing time at 6 bar              | 44 ms  |
| Operating medium                        | Filtered, unlubricated compressed air, 40 µm filtration<br>Filtered, lubricated compressed air, 40 µm filtration |
| Corrosion resistance classification CRC | 1  |
| Ambient temperature                     | 10 ... 60 °C   |
| Max. force on gripper jaw Fz dynamic    | 9 N  |
| Max. force on gripper jaw Fz static     | 90 N   |
| Max. torque at gripper Mx dynamic       | 0.33 Nm  |
| Max. torque at gripper Mx static        | 3.3 Nm   |
| Max. torque at gripper My dynamic       | 0.33 Nm  |
| Max. torque at gripper My static        | 3.3 Nm   |
| Max. torque at gripper Mz dynamic       | 0.33 Nm  |
| Max. torque at gripper Mz static        | 3.3 Nm   |
| Product weight                          | 197 g  |
| Mounting type                           | Optional<br>with through hole<br>with internal (female) thread   |
| Pneumatic connection                    | M3   |
| Materials note                          | Free of copper and PTFE  |
| Materials information for cover cap     | PA   |
| Materials information, housing          | Wrought Aluminium alloy<br>Hard anodised   |
| Materials information for gripper jaws  | High alloy steel, non-corrosive  |