

# Parallel gripper HGPP-32-A-G1

Part number: 525665

FESTO



## Data sheet

| Feature                                       | Value  |
|---|--|
| Size  | 32   |
| Stroke per gripper jaw                        | 12.5 mm  |
| Max. interchangeability                       | 0.1 mm   |
| Pneumatic gripper repetition accuracy         | ≤0.02 mm   |
| Type code                                     | HGPP   |
| Number of gripper jaws                        | 2  |
| Mode of operation                             | Double-acting  |
| Gripper function                              | Parallel   |
| Gripping force backup                         | On opening   |
| Structural design                             | Gear rack/pinion   |
| Position sensing                              | For Hall sensor<br>For inductive proximity sensors                 |
| Symbol  | 00995947   |
| Operating pressure                            | 5 bar ... 8 bar  |
| Max. operating frequency of pneumatic gripper | 4 Hz   |
| Min. opening time at 6 bar                    | 64 ms  |
| Min. closing time at 6 bar                    | 173 ms   |
| Max. mass per external gripper finger         | 300 g  |
| Operating medium                              | Compressed air as per ISO 8573-1:2010 [7:4:4]                      |
| Information on operating and pilot media      | Operation with oil lubrication possible (required for further use) |
| Corrosion resistance class (CRC)              | 2 - Moderate corrosion stress                                      |
| Ambient temperature                           | 5 °C ... 60 °C   |
| Maximum force on gripper jaw Fz, static       | 720 N  |
| Maximum torque on gripper jaw, Mx static      | 30 Nm  |
| Maximum torque on gripper jaw, My static      | 30 Nm  |
| Maximum torque on gripper jaw, Mz static      | 30 Nm  |
| Product weight                                | 1438 g   |
| Type of mounting                              | With internal thread   |
| Pneumatic connection                          | G1/8   |
| Note on materials                             | Free of copper and PTFE  |
| Cover cap material                            | POM  |
| Housing material                              | Wrought aluminum alloy<br>Hard-anodized                            |
| Gripper jaw material                          | Wrought aluminum alloy<br>Nickel-plated                            |