

# Parallel gripper HGPP-32-A

Part number: 525664

FESTO



[PDF](#) General operating condition

## Data sheet

| Feature  | Value  |
|--|--|
| Size   | 32   |
| Stroke per gripper jaw                           | 12.5 mm  |
| Max. interchangeability                          | 0.1 mm   |
| Max. gripper jaw angular play ax, ay             | 0 deg  |
| Max. gripper jaw backlash Sz                     | 0 mm   |
| Rotational symmetry                              | 0.05 mm  |
| Pneumatic gripper repetition accuracy            | ≤0.02 mm   |
| Number of gripper jaws                           | 2  |
| Actuator system                                  | Pneumatic  |
| Mode of operation                                | Double-acting  |
| Gripper function                                 | Parallel   |
| Gripping force backup                            | Without  |
| Structural design                                | Gear rack/pinion   |
| Position sensing                                 | For Hall sensor<br>For inductive proximity sensors                 |
| Symbol   | 00991894   |
| Operating pressure                               | 2 bar ... 8 bar  |
| Max. operating frequency of pneumatic gripper    | 4 Hz   |
| Min. opening time at 6 bar                       | 76 ms  |
| Min. closing time at 6 bar                       | 110 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                                      |
| LABS (PWIS) conformity                           | VDMA24364-B2-L   |
| Ambient temperature                              | 5 °C ... 60 °C   |
| Gripping force per gripper jaw at 6 bar, opening | 830 N  |
| Gripping force per gripper jaw at 6 bar, closing | 830 N  |
| Gripping force per gripper jaw at 6 bar, opening | 415 N  |
| Gripping force per gripper jaw at 6 bar, closing | 415 N  |
| Mass moment of inertia                           | 38.34 kgcm <sup>2</sup>  |
| 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  |

| <b>Feature</b>       | <b>Value</b>                          |
|----------------------|---------------------------------------|
| Product weight       | 1408 g                                |
| Type of mounting     | With internal thread                  |
| Pneumatic connection | G1/8                                  |
| Note on materials    | RoHS-compliant                        |
| Cover cap material   | POM                                   |
| Housing material     | Wrought aluminum alloy, hard-anodized |
| Gripper jaw material | Wrought aluminum alloy, nickel-plated |