

# Parallel Gripper HGPL-25-40-A-B - Festo 3361484

Item no. FES-3361484

Manufacturer Festo

EAN 4052568269210

Festo gripper for secure handling and positioning of workpieces in automated processes.

## TECHNICAL DATA

|                         |           |
|-------------------------|-----------|
| Betriebsdruck max [bar] | 8.000000  |
| HS-Code                 | 84798997  |
| Pneumatischer Anschluss | M5        |
| Weight                  | 1.6 kg    |
| Werkstoff               | Aluminium |



## STANDARDS & COMPLIANCE

ISO 8573-1:2010

## DESCRIPTION

Festo gripper for secure handling and positioning of workpieces in automated processes. The key technical data of this genuine Festo article are listed below.

|                                    |               |
|------------------------------------|---------------|
| size                               | 25            |
| Stroke per gripper jaw [mm]        | 40            |
| Max. exchange precision [mm]       | < 0,2 mm      |
| Max. gripper jaw play ax, ay [deg] | < 0.2 deg     |
| Max. gripper jaw play Sz [mm]      | < 0,05 mm     |
| Rotational symmetry [mm]           | <= 0,2 mm     |
| Repeatability grippers [mm]        | < 0,03 mm     |
| Quantity Gripper jaws              | 2             |
| installation position              | arbitrary     |
| Principle of operation             | double acting |
| Gripper function                   | Parallel      |

|                                                   |                                                                               |
|---------------------------------------------------|-------------------------------------------------------------------------------|
| Construction set up                               | Double piston<br>Guide<br>Piston pusher<br>T-shape<br>Toothed rack/pinion     |
| Position detection                                | For proximity switch                                                          |
| Open total gripping force at 6 bar [N]            | 412                                                                           |
| Close total gripping force at 6 bar [N]           | 512                                                                           |
| Operating pressure [bar]                          | 3 to 8                                                                        |
| Max. working frequency gripper [Hz]               | < 1 Hz                                                                        |
| Min. opening time a 6 bar [ms]                    | 225                                                                           |
| Min. closing time at 6 bar [ms]                   | 230                                                                           |
| Operating medium                                  | Compressed air to ISO 8573-1:2010 [7:4:4]                                     |
| Information about operating and control medium    | Oiled operation possible (required in further operations)                     |
| Corrosion resistant class KBK                     | 2 - moderate corrosion stress                                                 |
| ambient temperature [°C]                          | 5 to 60                                                                       |
| Open gripper jaws at gripping force of 6 bar [N]  | 206                                                                           |
| Close gripper jaws at gripping force at 6 bar [N] | 256                                                                           |
| Mass inertia [kg/cm²]                             | 18,88                                                                         |
| Max. force on gripper jaws Fz static [N]          | 1.500                                                                         |
| Max. torque on gripper jaws Mx static [Nm]        | 100                                                                           |
| Max. torque on gripper jaws My static [Nm]        | 60                                                                            |
| Max. torque on gripper jaws Mz static [Nm]        | 70                                                                            |
| Lubrication interval guide elements [Mio SP]      | 5                                                                             |
| Max. mass per external griper finger [g]          | 250                                                                           |
| Product weight [g]                                | 1.400                                                                         |
| Fastening type                                    | Female thread and centring sleeve<br>With Throughway bore and centring sleeve |
| Pneumatic connection                              | M5                                                                            |
| Material information                              | Copper and PTFE-free<br>RoHs compliant                                        |
| Housing material                                  | aluminium<br>Smooth anodised                                                  |
| Gripper jaws material                             | hardened<br>Steel                                                             |