1. Supporting documents

Installation, commissioning and maintenance may only be performed by qualified personnel. These persons must have read and understood the installation instructions in full.

5. Function

The gripper is used in the manufacturing and assembly process to hold workpieces. It is designed for use in the MGH8000 series of machines. The gripper is fitted with two double-acting pneumatic rotary cylinders, which drive the gripper jaws and provide the gripping force.

6. Installation

The gripper can be mounted on a surface or side from several sides with the necessary accessories.

- Mounting surface length [mm]: 1100
- Permissible unevenness [mm]: 0.8
- Two alternative options are available for the installation of the gripper:
  - Using holes in the mounting piece
  - Using holes in the mounting plate
- The dimensions for the MGH8000 are shown as an example in the adjacent image. The dimensional drawings can be found on our website.

- The dimensions for the mounting points can be found on the dimensional drawings on our website. You can download the necessary CAD data in all common formats from our website.

- The available pneumatic connections can be found in the accessories list of the product data sheets on our website. You can also find the necessary ordering information there.

6.3 Gripper finger and sensor installation

- Do not use the gripper finger connections as a reference for the selected gripper variant.
- The available accessories are listed on the product data sheets on our website.
- You can also find the necessary ordering information there.
- Using rack and pinion
- Position and clamp the magnetic field sensors
- Adjust the switch point to the desired switch positions
- Insert the magnetic field sensors into the designated slots
- Fix the magnetic field sensors using the magnetic field sensors
- Pneumatic connection:
  - Install the pneumatic connectors into the provided connections

7. Technical data

- The dimensions for the mounting points can be found in the dimensional drawings on our website. You can also find the necessary ordering information there.

- The available pneumatic connections can be found in the accessories list of the product data sheets on our website. You can also find the necessary ordering information there.

8. Maintenance

Maintenance-free operation of the gripper is guaranteed for up to 80,000 gripping cycles.

- Operation with compressed air that does not comply with DIN ISO 8573-1 quality class 4
- Dirty environment
- Improper use and use that does not comply with the performance data

We recommend using the Zimmer GmbH repair service for maintenance and the replacement of seals. Dismantling and reassembling the gripper without authorization may result in complications, as special installation equipment is required in some cases.

9. Declaration of incorporation

In terms of the EU Machinery Directive 2006/42/EC ( Annex II B)

- The incomplete machine described below has been determined to satisfy the conditions of the Machinery Directive 2006/42/EC and the EC Declaration of Conformity has been produced in accordance with Annex II 1 A.
- The incomplete machine may only be commissioned if the machine or system in which the incomplete machine is to be installed has the following documents, and within the scope of its defined parameters for use.

- The available technical documents can be found in the dimensional drawings on our website. You can also find the necessary ordering information there.

- The incomplete machine is to be installed in accordance with Annex II B of the Directive.
- We ensure that the specific technical documents were produced in accordance with the technical specification set out in Annex II B of the Directive.

- We also declare that the specific technical documents were produced in accordance with Annex VIII 1 B of the Directive.

- The incomplete machine is to be installed in accordance with Annex II B of the Directive.
- We ensure that the specific technical documents were produced in accordance with the technical specification set out in Annex II B of the Directive.

- We also declare that the specific technical documents were produced in accordance with Annex VIII 1 B of the Directive.

- The incomplete machine is to be installed in accordance with Annex II B of the Directive.
- We ensure that the specific technical documents were produced in accordance with the technical specification set out in Annex II B of the Directive.

- We also declare that the specific technical documents were produced in accordance with Annex VIII 1 B of the Directive.

- The incomplete machine is to be installed in accordance with Annex II B of the Directive.
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