

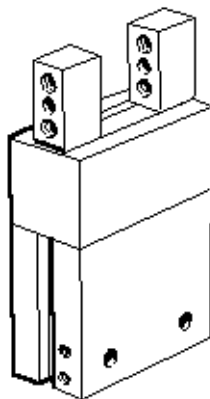
Catalogue page

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Parallel gripper HGP-10-A-B

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



Please note the gripper selection tool in the >Software< section of the catalogue's main menu.

Festo standard grippers are system products for handling and assembly technology.

Features

- Double-acting piston drive
- Self-centring
- Variable gripping action: external gripping, internal gripping
- Extensive options for combination with drives
- Inductive position sensing with Hall sensors or proximity sensors
- Diverse thanks to external gripper fingers

Repetition accuracy *** of ± 0.02 mm (HGR ± 0.05)

Note

HGD: concentric to the central shaft

HGP/HGR/HGW: in the direction of movement of the gripper jaws (scatter for end-position locations under constant conditions of use during 100 consecutive strokes)

3-point gripper HGD

- Sizes 16 to 50 mm
- Highest precision
- High retention force

Parallel gripper HGP:

- Sizes 6 to 35 mm
- High gripping force and compact size
- Maximum repetition accuracy

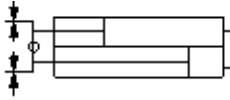
Radial gripper HGR

- Sizes 10 to 40 mm
- Constant gripping torque over the entire angular range
- 180° gripper jaw opening angle

Angle gripper HGW

- Sizes 10 to 40 mm
- Constant gripping torque over the entire angular range
- 40° gripper jaw opening angle

Position sensing alternatively with proximity sensors:
Hall sensors SMH



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Electrical SM...-8 (with or without contacts)
Pneumatic SMPO

Note

Festo standard grippers should always be used with exhaust air flow control.

Standard grippers are not suitable for the following, or for similar applications

- Machining
- Aggressive media
- Grinding dust
- Welding spatter

HGP-10-A-B

Parallel gripper

Data sheet

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Feature	Data/description
Mode of operation	Double acting
Gripper function	Parallel
No. of gripper jaws	2
Drive	2 cylinders parallel
Type of mounting direct	Thread:Hole
Sensing type	Magnetic
Design of slot	NA5
Piston, nominal size	10
Operating pressure min.	2 bar
Operating pressure max.	8 bar
Minimum ambient temperature	5 °C
Maximum ambient temperature	60 °C
Air connection type	Female thread
Connector thread	M 3
Material of barrel/housing	Kneaded aluminium alloy
Material of gripper fingers	Stainless high-alloy steel
Material of cover	PA
CT criterion	Free of copper and teflon
Product weight	0,068 kg
Nominal gripping force, closing	40 N
Nominal gripping force, opening	47 N
Nominal time, opening	22 ms
Nominal time, closing	31 ms
Air consumption at 6 bar per stroke	0,0025 l
Medium	Dried air, lubricated or unlubricated
Interchangeability	0,2 mm
Repetition accuracy	0,04 mm