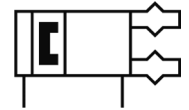
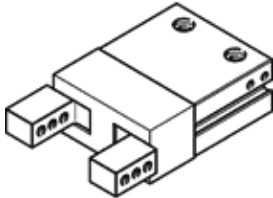


Parallel gripper HGP-16-A-B

Part number: 197545

FESTO

Self-centering, can be used as internal and external gripper. Magnetic piston for proximity position sensing.



Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 mm
Max. replacement accuracy	0.2 mm
Repetition accuracy, gripper	≤ 0.04 mm
Number of gripper fingers	2
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Lever
Position detection	For proximity sensor
Total force at 6 bar, opening	140 N
Total force at 6 bar, closing	160 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	44 ms
Min. closing time at 6 bar	60 ms
Operating medium	Filtered, unlubricated compressed air, 40 µm filtration Filtered, lubricated compressed air, 40 µm filtration
Corrosion resistance classification CRC	1
Ambient temperature	10 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	70 N
Gripping force per gripper jaw at 6 bar, closing	80 N
Max. force on gripper jaw Fz dynamic	9 N
Max. force on gripper jaw Fz static	90 N
Max. torque at gripper Mx dynamic	0.33 Nm
Max. torque at gripper Mx static	3.3 Nm
Max. torque at gripper My dynamic	0.33 Nm
Max. torque at gripper My static	3.3 Nm
Max. torque at gripper Mz dynamic	0.33 Nm
Max. torque at gripper Mz static	3.3 Nm
Product weight	194 g
Mounting type	Optional with through hole with internal (female) thread
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover cap	PA
Materials information, housing	Wrought Aluminum alloy Hard anodized
Materials information for gripper jaws	High alloy steel, non-corrosive