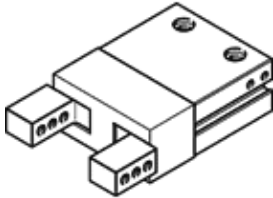


# Parallel gripper HGP-16-A-B-G1

Part number: 197546

FESTO

Self-centering, can be used as internal and external gripper, with facility for proximity position sensing, with gripper retention force, opening ...-G1.



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 mm
Max. replacement accuracy	0.2 mm
Repetition accuracy, gripper	$\leq 0.04$ mm
Number of gripper fingers	2
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	during opening, G1
Design structure	Lever
Position detection	For proximity sensor
Working pressure	5 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	39 ms
Min. closing time at 6 bar	62 ms
Operating medium	Filtered, unlubricated compressed air, 40 $\mu$ m filtration Filtered, lubricated compressed air, 40 $\mu$ m filtration
Corrosion resistance classification CRC	1
Ambient temperature	10 ... 60 °C
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	197 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