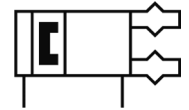
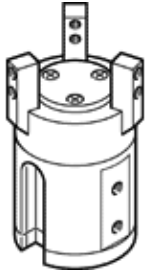


Three-point gripper HGD-16-A

Part number: 174819

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	2.5 mm
Max. replacement accuracy	0.2 mm
Repetition accuracy, gripper	≤ 0.04 mm
Number of gripper fingers	3
Mode of operation	double-acting
Gripper function	3-point
Design structure	Lever
Position detection	For Hall sensors
Total force at 6 bar, opening	120 N
Total force at 6 bar, closing	90 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	5 ms
Min. closing time at 6 bar	5 ms
Operating medium	Filtered compressed air
Corrosion resistance classification CRC	2
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	40 N
Gripping force per gripper jaw at 6 bar, closing	30 N
Max. force on gripper jaw Fz dynamic	0.3 N
Max. force on gripper jaw Fz static	34 N
Max. torque at gripper Mx dynamic	0.005 Nm
Max. torque at gripper Mx static	0.5 Nm
Max. torque at gripper My dynamic	0.008 Nm
Max. torque at gripper My static	0.8 Nm
Max. torque at gripper Mz dynamic	0.005 Nm
Max. torque at gripper Mz static	0.5 Nm
Product weight	110 g
Mounting type	with internal (female) thread
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover cap	POM
Materials information, housing	Aluminum Nickel plated
Materials information for gripper jaws	Tool steel Nickel plated