

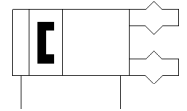
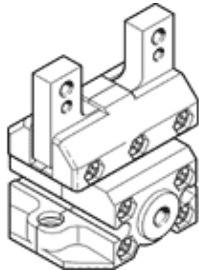
Parallel gripper HGPC-16-A

Part number: 539269
Product to be discontinued

FESTO

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

Type to be discontinued. Available until 2019. See Support Portal for alternative products.



Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	5 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	≤ 0.2 mm
Repetition accuracy, gripper	≤ 0.05 mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Total force at 6 bar, opening	83 N
Total force at 6 bar, closing	83 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	60 ms
Min. closing time at 6 bar	60 ms
Operating medium	Compressed air in accordance with ISO8573-1:2010 [7:4:4]
Note on operating and pilot medium	Lubricated operation possible (subsequently required for further operation)
Corrosion resistance classification CRC	2 - Moderate corrosion stress
Ambient temperature	5 ... 60 °C
Gripping force per gripper jaw at 6 bar, opening	41.5 N
Gripping force per gripper jaw at 6 bar, closing	41.5 N
Mass moment of inertia	0.272 kgcm ²
Max. force on gripper jaw Fz static	80 N
Max. torque at gripper Mx static	2.5 Nm
Max. torque at gripper My static	2.5 Nm
Max. torque at gripper Mz static	2.5 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	50 g
Product weight	241 g
Mounting type	Internal thread and centering sleeve
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Material housing	Zinc die-casting Painted
Material gripper jaws	High alloy steel, non-corrosive