

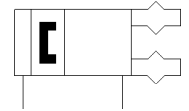
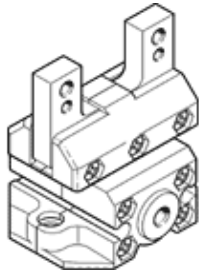
# Parallel gripper HGPC-12-A

Part number: 539267  
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	12
Stroke per gripper jaw	3 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	0 deg
Max. gripper jaw backlash Sz	0 mm
Rotationally symmetrical	$\leq 0.2$ mm
Repetition accuracy, gripper	$\leq 0.05$ 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	44 N
Total force at 6 bar, closing	44 N
Working pressure	2 ... 8 bar
Max. operating frequency of gripper	4 Hz
Min. opening time at 6 bar	30 ms
Min. closing time at 6 bar	30 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	22 N
Gripping force per gripper jaw at 6 bar, closing	22 N
Mass moment of inertia	0.272 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	40 N
Max. torque at gripper Mx static	1 Nm
Max. torque at gripper My static	1 Nm
Max. torque at gripper Mz static	1 Nm
Lubrication interval for guide components	10 Mio SP
Max. ground per external gripper finger	20 g
Product weight	152 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