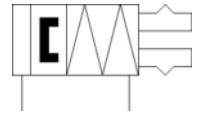
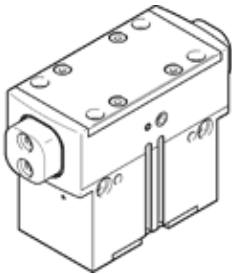


# Parallel gripper HGPD-50-A-G1

Part number: 1132952

**FESTO**

With gripping force backup when opening ...-G1.



## Data sheet

Feature	values
Size	50
Stroke per gripper jaw	12 mm
Max. replacement accuracy	$\leq 0.2$ mm
Max. angular gripper jaw backlash ax,ay	$\leq 0.1$ deg
Max. gripper jaw backlash Sz	$\leq 0.02$ 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
Gripper force back-up	On opening
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Working pressure	4 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 2$ Hz
Min. opening time at 6 bar	85 ms
Min. closing time at 6 bar	176 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
Ambient temperature	5 ... 60 °C
Mass moment of inertia	36.74 kgcm <sup>2</sup>
Max. torque at gripper Mx static	90 Nm
Max. torque at gripper My static	60 Nm
Max. torque at gripper Mz static	50 Nm
Lubrication interval for guide components	5,000,000 Mio SP
Max. ground per external gripper finger	813 g
Product weight	2,150 g
Mounting type	Optional Internal thread and centering sleeve With through-hole and centering sleeve With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	G1/8
Materials note	Conforms to RoHS
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminum Anodized
Materials information for gripper jaws	Steel Hardened