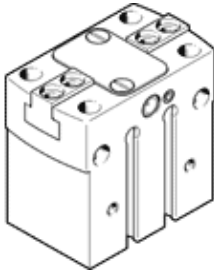


# Parallel gripper HGPT-16-A-G1

Part number: 535859

FESTO

sturdy, with gripping force retention when opening ...-G1.



## Data sheet

Feature	Value
Size	16
Stroke per gripper jaw	3 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	$\leq 0.03$ mm
Number of gripper fingers	2
Assembly position	Any
Mode of operation	double-acting
Gripper function	Parallel
Gripper force back-up	during opening, G1
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Operating pressure	5 ... 8 bar
Operating pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	$\leq 3$ Hz
Min. opening time at 6 bar	10 ms
Min. closing time at 6 bar	44 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Mass moment of inertia	0.178 kgcm <sup>2</sup>
Max. force on gripper jaw Fz static	200 N
Max. torque at gripper Mx static	10 Nm
Max. torque at gripper My static	7 Nm
Max. torque at gripper Mz static	5 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	104 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M3
Pneumatic connection	M3
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminium COMPCOTE coated
Materials information for gripper jaws	Steel Hardened