

Parallel gripper HGPT-40-A-G1

Part number: 535871

FESTO

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



Data sheet

Feature	Value
Size	40
Stroke per gripper jaw	10 mm
Max. replacement accuracy	≤ 0.2 mm
Max. angular gripper jaw backlash ax,ay	≤ 0.1 deg
Max. gripper jaw backlash Sz	≤ 0.02 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
Gripper force back-up	during opening, G1
Design structure	Inclined plane guided motion sequence
Position detection	For proximity sensor
Working pressure	5 ... 8 bar
Working pressure, sealing air	0 ... 0.5 bar
Max. operating frequency of gripper	≤ 2 Hz
Min. opening time at 6 bar	57 ms
Min. closing time at 6 bar	130 ms
Operating medium	Dried compressed air, lubricated or unlubricated
Ambient temperature	5 ... 60 °C
Mass moment of inertia	9.786 kgcm ²
Max. force on gripper jaw Fz static	1,500 N
Max. torque at gripper Mx static	80 Nm
Max. torque at gripper My static	60 Nm
Max. torque at gripper Mz static	40 Nm
Lubrication interval for guide components	5 Mio SP
Product weight	1,252 g
Mounting type	Optional With through-hole and dowel pin With internal thread and dowel pin
Pneumatic connection, sealing air	M5
Pneumatic connection	M5
Materials note	Free of copper and PTFE
Materials information for cover cap	High alloy steel, non-corrosive
Materials information, housing	Aluminum COMPCOTE coated
Materials information for gripper jaws	Steel Hardened